WITT

www.wittgas.com

/ TECHNOLOGY FOR GASES /

CATALOG USA

2024 | 01

Quality products from WITT

Benefits to you:

- 100 % quality inspection of all products leaving our factory
- Certificates: DIN EN ISO 9001, DIN EN ISO 22000 as well as PED 2014/68/EU, ATEX 2014/34/EU, Directive 93/42/EWG
- State-of-the-art technologies and elaborate quality assurance systems
- Easy, intuitive operation, ergonomics, integration capabilities and cost effectiveness
- Engineered products tailored exactly to your needs

Our product range

In this catalog you will find our main models and series.
Furthermore we offer special custom-designed products, to your individual specifications.

Engineering services included. Working closely with you.

Adopting our gas technology to the requirements of the customers is our daily business. Because gas applications are as different and varied as technical gases and gas mixtures.
Our decades of experience and extensive know-how will give you the safety you need: for your employees, your material and your processes.

Please talk to us about your requirements - we can help you for sure!

Any other questions?

We provide you with expert answers!

Tel. (+1) 770-664-4447
Fax (+1) 770-664-4448
witt-usa@wittgas.com

WITT Gas Controls LP
1055 Windward Ridge Parkway
Suite 170
Alpharetta, Georgia 30005
USA

CONTENT

Gas Control Equipment

Gas Safety Equipment

Miscellaneous

GAS MIXERS for non-flammable gases

KM 20 ECO

2 gases | small flows

data sheet

Small Gas mixer especially for dispensing equipment

- variable mixture output
- pre-set gas blends
- various flow capacities

model

KM 20 ECO
KM 20-1 ECO with one outlet
KM 20-2 ECO with two outlets

MM

2 gases | small to medium flows

data sheet

Compact Gas mixer for different applications

- adjustable mixing valve
- mixed gas flow dependent on inlet pressures
- various flow capacities

model

MM-2
MM-2K
MM-2G

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

GAS MIXERS for non-flammable gases

MM FLEX

2 gases | small to medium flows

data sheet

product video

Ultra compact gas mixer for different applications, e.g. welding

- adjustable mixing valve
- adjustable metering valve
- adjustable pressure

model

MM FLEX

BM

2 gases | small flows

data sheet

product video

Gas mixer for direct cylinder connection (high pressure)

- constant output
- infinitely variable gas blending
- infinitely variable metering
- no additional pressure regulator required
- various flow capacities

model

BM-2
BM-2M (200 bar)
BM-2M (300 bar)

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

GAS MIXERS for non-flammable gases

KM10-2 FLEX

2 gases | small flows

data sheet

Small gas mixer especially for low gas consumption, e.g. in laboratory applications

- variable mixture output
- variable gas blending
- various flow capacities
- new mixing technology, mixed gas receiver is not required

model

KM10-2 Flex

MG Fix

2 or 3 gases | medium to high flows

data sheet

product video

Pre-set 2 or 3 components gas mixers

- variable mixture output
- mixing range dependent on type of gas
- new mixing technology, mixed gas receiver is not required

model

MG-2 Fix for 2 gases
MG 25-2 capacity range up to approx. 22 Nm^3/h
MG 45-2 capacity range up to approx. 46 Nm^3/h
MG 75-2 capacity range up to approx. 68 Nm^3/h
MG 95-2 capacity range up to approx. 90 Nm^3/h
MG 125-2 capacity range up to approx. 135 Nm^3/h

MG-3 Fix for 3 gases
MG 45-3 capacity range up to approx. 46 Nm^3/h
MG 95-3 capacity range up to approx. 90 Nm^3/h
MG 125-3 capacity range up to approx. 135 Nm^3/h

options:
Inlet pressure monitoring with alarm module AM3

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

GAS MIXERS for non-flammable gases

MG Flex

2 gases | medium to high flows

data sheet

product video

Adjustable 2 components gas mixers for welding applications

- variable mixture output
- mixing range dependent on type of gas
- new mixing technology, mixed gas receiver is not required

model

MG-2 Flex
MG 25-2 capacity range up to approx. 21 Nm^3/h
MG 45-2 capacity range up to approx. 48 Nm^3/h
MG 75-2 capacity range up to approx. 65 Nm^3/h
MG 95-2 capacity range up to approx. 96 Nm^3/h
MG 125-2 capacity range up to approx. 135 Nm^3/h

options:
inlet pressure monitoring with
alarm module AM3

KM

2 or 3 gases | small to medium flows

data sheet

Mixing system for different technical applications

- constant output
- infinitely variable gas blending
- infinitely variable metering
- various flow capacities

model

KM-2 for 2 gases
KM 20-2
KM 30-2
KM 60-2
KM 100-2

KM-3 for 3 gases
KM 20-3
KM 30-3
KM 60-3
KM 100-3

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

GAS MIXERS for non-flammable gases

KM-M

2 or 3 gases | medium to high flows

for food-grade gases, conforms to 1935/2004

Gas mixer especially for MAP-packaging and flow-pack machines

- constant output
- infinitely variable gas blending
- infinitely variable metering
- various flow capacities
- regulation of outlet pressure
- monitoring of gas supply
- integrated inlet pressure monitoring (alarm module AM3)

data sheet KM100/200-M

data sheet KM300/600-M

product video

model

KM-2M for 2 gases
KM 100-2M
KM 200-2M
KM 300-2M
KM 600-2M

KM-3M for 3 gases
KM 100-3M
KM 200-3M
KM 300-3M
KM 600-3M

option:
optional: automatic shut-off of O2 when going below the limit

In our brochure you can read everything you always wanted to know about WITT gas mixers

Gas mixers offer mximum mixing quality, flexibility and economy. But which model is the best for your specific application?

Looking for the right mixer, a lot of questions come up, e.g.

- Which advantages offer the different mixing technologies and mixing valves, such as mechanical, pneumatical or electrical?
- Which design fits best in my installation: compact, mobile or stationary?
- What kind of components are available: pressure monitoring, inline gas analysis, tanks, explosion protection?

Find answers, discover technologies and have a look at our models overview in the new WITT gas mixers brochure.

Download at www.wittgas.com

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

GAS MIXERS for non-flammable gases

KM-ME

2 or 3 gases | low to very high flows

KM100-2ME on steel receiver

data sheet

product video

Powerful gas mixer especially for highly fluctuating mixing gas output quantities

- adjustable mixing valve
- with receiver pressure management for use with mixed gas receiver
- also for central gas supply installations
- various flow capacities
- alarm module AM3 (optional): integrated inlet pressure monitoring with digital display for pressure (with analogue pressure transmitters) plus optical alarm, adjustable alarm limits, alarm acknowledgement required, protection of alarms, interfaces for controlling external alarms etc.

model

KM-2ME for 2 gases
KM 100-2ME
mounted on 20 l / 10 bar steel receiver
mounted on 20 l / 10 bar stainless steel receiver
mounted on 100 l / 10 bar steel receiver
mounted on 100 l / 10 bar stainless steel receiver

KM-2ME for 3 gases
KM 100-3ME
mounted on 20 l / 10 bar steel receiver
mounted on 20 l / 10 bar stainless steel receiver
mounted on 100 l / 10 bar steel receiver
mounted on 100 l / 10 bar stainless steel receiver

options:
inlet pressure monitoring with alarm module AM3
surcharge analogue pressure transmitters 2 inlet gases
surcharge analogue pressure transmitters 3 inlet gases

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

GAS MIXERS for non-flammable gases

KM-M+

2 or 3 gases | medium to high flows

for food-grade gases, conforms to 1935/2004

Electronic gas mixer with motor-driven mixing valve especially for MAP-packaging and flow-pack machine

- constant output
- infinitely variable gas blending
- infinitely variable metering
- various flow capacities
- regulation of outlet pressure
- monitoring of gas supply
- communication via serial interface (e.g. PLC, PC or 4-20mA/0-10V)
- for operation with mixed gas receiver
- integrated inlet pressure monitoring (alarm module AM3)

model

KM-2M+ for 2 gases
KM 100-2M+
KM 200-2M+

KM-3M+ for 2 gases
KM 100-3M+
KM 200-3M+

options:
operation via touch-screen display
coupling socket set

KM-FLOW

2 or 3 gases | medium to high flows

for food-grade gases, conforms to 1935/2004

KM-Flow with analysis

data sheet

Gas mixer especially for MAP-packaging and flow-pack machines

- electronic Mass Flow Controller (MFC)
- touchscreen
- measured data storage
- may be combined with analysis MAPY LE
- for up to 1000/1500 l/min

model

KM1000-2 FLOW for 2 gases
KM 1000-2 FLOW for flow-pack machines
KM 1000-2 FLOW for vacuum machines

KM1500-3 FLOW for 3 gases
KM 1500-3 FLOW for flow-pack machines
KM 1500-3 FLOW for vacuum machines

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

GAS MIXERS for non-flammable gases

MG-2ME

2 gases | low to very high flows

MG50-2ME on steel receiver

data sheet MG 50/100-ME

data sheet MG 200-ME

product video

Powerful gas mixer especially for high flows and highly fluctuating mixing gas output quantities

- adjustable mixing valve
- various flow capacities
- with receiver pressure management for use with mixed gas receiver
- also for central gas supply installations
- alarm module AM3 (optional): integrated inlet pressure monitoring with digital display for pressure (with analogue pressure transmitters) plus optical alarm, adjustable alarm limits, alarm acknowledgement required, protection of alarms, interfaces for controlling external alarms etc.

model

MG 50-2ME
mounted on 100 l / 10 bar steel receiver
mounted on 100 l / 10 bar stainless steel receiver

MG 100-2ME
mounted on 250 l / 11 bar steel receiver
mounted on 250 l / 11 bar stainless steel receiver

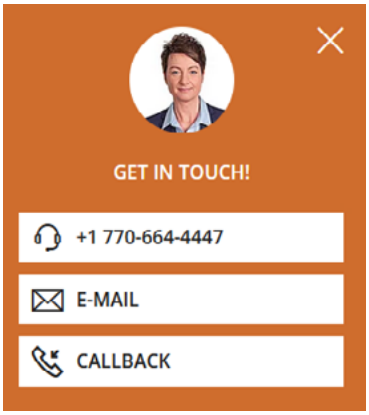
MG 200-2ME (see option „external filter“)

options:
inlet pressure monitoring with alarm module AM3
external filter as additional protection for each gas inlet recommended for MG 50 and MG 100; mandatory for MG 200
surcharge analogue pressure transmitters 2 inlet gases

Do you need advice?

Our team of experts is there for you: Click on the contact banner on the WITT website and choose whether you want to call us directly, send us an e-mail or have us call you back.

This way you can quickly clarify your question - free of charge, of course.



Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer‘s certificate see p. 109.

04/18/2024

MG-3ME

3 Gase | low to very high flows

MG50-3ME

data sheet MG 50/100-ME

data sheet MG 200-ME

product video

alarm module AM3

data sheet AM3

Powerful gas mixer especially for high flows and highly fluctuating mixing gas output quantities

- adjustable mixing valve
- various flow capacities
- with receiver pressure management for use with mixed gas receiver
- also for central gas supply installations
- alarm module AM3 (optional): integrated inlet pressure monitoring with digital display for pressure (with analogue pressure transmitters) plus optical alarm, adjustable alarm limits, alarm acknowledgement required, protection of alarms, interfaces for controlling external alarms etc.

model

MG 50-3ME
mounted on 100 l / 10 bar steel receiver
mounted on 100 l / 10 bar stainless steel receiver

MG 100-3ME
mounted on 250 l / 11 bar steel receiver
mounted on 250 l / 11 bar stainless steel receiver

MG 200-3ME (see option „external filter“)

options:
inlet pressure monitoring with alarm module AM3
external filter as additional protection for each gas inlet recommended for MG 50 and MG 100; mandatory for MG 200
surcharge analogue pressure transmitters 3 inlet gases

Do you already know the WITT YouTube channel?

Here you will find over 25 videos in 9 languages on the topics of mixing and analysing gases, leak testing and gas safety.

Subscribe to our channel and be among the first to be informed about new videos.

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer‘s certificate see p. 109.

04/18/2024

GAS MIXERS for non-flammable gases

KM-MEM

2 or 3 gases | low to high flows

for food-grade gases, conforms to 1935/2004

Powerful gas mixer especially for MAP- and vacuum-packaging machines and highly fluctuating mixing gas output quantities

- adjustable mixing valve
- various flow capacities
- with receiver pressure management for use with mixed gas receiver
- also for central gas supply installations
- alarm module AM3 (optional): integrated inlet pressure monitoring with digital display for pressure (with analogue pressure transmitters) plus optical alarm, adjustable alarm limits, alarm acknowledgement required, protection of alarms, interfaces for controlling external alarms etc.
- integrated inlet pressure monitoring (alarm module AM3)
- monitoring of gas supply
- to be used with mixed gas receiver, incl. inlet pressure monitoring

KM100-2MEM

KM100-3MEM

data sheet

product video

model

KM-2MEM for 2 gases

KM 100-2MEM
mounted on 20 l / 10 bar steel receiver
mounted on 20 l / 10 bar stainless steel receiver

KM 200-2MEM
mounted on 20 l / 10 bar steel receiver
mounted on 20 l / 10 bar stainless steel receiver

KM-3MEM for 3 gases

KM 100-3MEM
mounted on 20 l / 10 bar steel receiver
mounted on 20 l / 10 bar stainless steel receiver

KM 200-3MEM
mounted on 20 l / 10 bar steel receiver
mounted on 20 l / 10 bar stainless steel receiver

options:
automatic shut-off e.g. of O2
when going below the limit

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

GAS MIXERS for non-flammable gases

KM-MEM+

2 or 3 gases | low to high flows

for food-grade gases, conforms to 1935/2004

Electronic gas mixing system with motor-driven mixing valve especially for MAP- and vacuum packaging machines

- adjustable mixing valve
- various flow capacities
- with receiver pressure management for use with mixed gas receiver
- also for central gas supply installations
- monitoring of gas supply
- communication by serial Interface (e.g. PLC, PC or 4-20mA/0-10V)
- to be used with mixed gas receiver, incl. inlet pressure monitoring

data sheet

model

KM-2MEM+ for 2 gases

KM 100-2MEM+
mounted on 20 l / 10 bar steel receiver
mounted on 20 l / 10 bar stainless steel receiver

KM 200-2MEM+
mounted on 20 l / 10 bar steel receiver
mounted on 20 l / 10 bar stainless steel receiver

KM-3MEM+ for 3 gases

KM 100-3MEM+
mounted on 20 l / 10 bar steel receiver
mounted on 20 l / 10 bar stainless steel receiver

KM 200-3MEM+
mounted on 20 l / 10 bar steel receiver
mounted on 20 l / 10 bar stainless steel receiver

options:
operation via touch-screen display
coupling socket set
interface modules (hardware, assembly, testing)
module Profinet
module Analog 0-10V
module RS232

Packaging in a modified atmosphere: why and how?

Modified Atmosphere Packaging (MAP) ensures a longer shelf life and an improved impression of freshness in taste, colour and shape. Modified atmosphere counteracts the growth of microbiological organisms and biochemical reactions and thus the spoilage of the product. Our videos tell you everything you need to know to get started. And, of course, how you can optimize your quality control.

Part 1 - Basics

Part 2 - system components

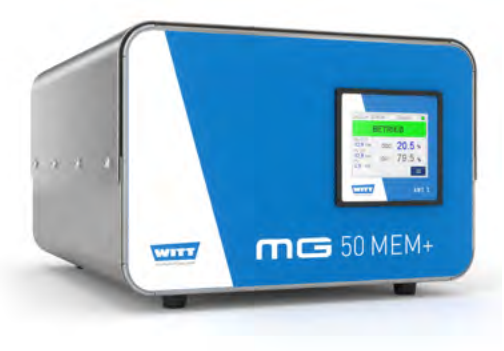
Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

MG-MEM+

2 or 3 gases | higher flows

for food-grade gases, conforms to 1935/2004



data sheet

Electronic gas mixing system with motor-driven mixing valve especially for MAP- and vacuum packaging machines with higher flows

- adjustable mixing valve
- various flow capacities
- with receiver pressure management for use with mixed gas receiver
- also for central gas supply installations
- monitoring of gas supply
- communication by serial Interface (e.g. PLC, PC or 4-20mA/0-10V)
- to be used with mixed gas receiver, incl. inlet pressure monitoring

model

MG-2MEM+ for 2 gases

MG 50-2MEM+
mounted on 100 l / 10 bar steel receiver
mounted on 100 l / 10 bar stainless steel receiver
mounted on 250 l / 11 bar stainless steel receiver
mounted on 250 l / 11 bar stainless steel receiver

MG-3MEM+ for 3 gases

MG 50-3MEM+
mounted on 100 l / 10 bar steel receiver
mounted on 100 l / 10 bar stainless steel receiver
mounted on 250 l / 11 bar stainless steel receiver
mounted on 250 l / 11 bar stainless steel receiver

options:
operation via touch-screen display
coupling socket set
interface modules (hardware, assembly, testing)
module Profinet
module Analog 0-10V
module RS232

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

GAS MIXERS for non-flammable gases

N2 / CO2 /CO mixers

3 gases | special application

KM100-3ME PvDu

brochure

Gas mixer for special application: low CO trimix for food processing

- KM100, MG100, MG200 gas mixing technology (see previous page)
- especially for mixing CO for food processing
- mounted on receiver
- including inlet pressure monitoring

model

KM series

KM 100-3 PvDu A N2/CO2/CO-N2 PREMIX
mounted on 100 liter steel receiver

KM 100-3 PvDu A N2/CO2/CO with CO monitor
mounted on 100 liter steel receiver

MG series

MG 100-3 PvDu A N2/CO2/CO with CO monitor
mounted on 250 l steel receiver

MG 200-3 PvDu A N2/CO2/CO with CO monitor
(requires 500 liter receiver-not included)

KD

gas flow controller with O2 analysis

for food-grade gases, conforms to 1935/2004

data sheet

Electronical flow control systems for modified atmospheres in the food industry

- with integrated zirconia cell for O2-measurement
- integrated PID control loop for automatic gas flow control
- potential free contacts for min./ max. alarms

model

KD 500-1A MAPY ZRL

options:
sample testing via needle
additional electrochemical sensor for sample testing
heater and thermostat, only electro-chemical sensors

KM-MAPY ZRL

gas mixer and meterer

for food-grade gases, conforms to 1935/2004

2-components gas mixers with integrated O2 analysis

- with integrated zirconia cell for O2-measurement
- integrated PID control loop for automatic gas flow control
- potential free contacts for min./ max. alarms
- MAPY-analysis

model

KM 100-2M MAPY ZRL
KM 200-2M MAPY ZRL
KM 300-2M MAPY ZRL
KM 600-2M MAPY ZRL

options:
gas mixer M+ (remote control)

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

GAS MIXERS for flammable gases

KM10-2 FLEX

2 gases | small flows

data sheet

Small gas mixer especially for low gas consumption, e.g. in laboratory applications

- variable mixture output
- variable gas blending
- various flow capacities
- new mixing technology, mixed gas receiver is not required

model

KM10-2 FLEX

KM

2 or 3 gases | small to medium flows

data sheet

Mixing system for different technical applications, e.g. for welding applications

- infinitely variable gas blending
- variable mixture output
- various flow capacities
- certified in accordance to ATEX

model

KM-2 for 2 gases (1 gas flammable)
KM 20-2
KM 30-2
KM 60-2
KM 100-2

KM-3 for 3 gases (max. 2 flammable gases)
KM 20-3
KM 30-3
KM 60-3
KM 100-3

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

KM-ME Ex

2 or 3 gases | low to very high flows

KM 100-3ME Ex on steel receiver

data sheet

Powerful gas mixers especially for highly fluctuating mixing gas output quantities

- infinitely variable gas blending
- variable mixture output
- various flow capacities
- separate electrical control panel
- 5 m cable between control unit and mixing device
- certified in accordance to ATEX
- model A with integrated analysis, LC-display, 4-20 mA signal and min./max. alarms (further information in section 6 „Gas analyzers")
- alarm module AM3 (optional): integrated inlet pressure monitoring with digital display for pressure (with analogue pressure transmitters) plus optical alarm, adjustable alarm limits, alarm acknowledgement required, protection of alarms, interfaces for controlling external alarms etc.

model

KM-2ME Ex for 2 gases
KM 100-2ME Ex
A, with integrated analysis
mounted on 20 l / 10 bar steel receiver
mounted on 20 l / 10 bar stainless steel receiver
mounted on 100 l / 10 bar steel receiver
mounted on 100 l / 10 bar stainless steel receiver

KM-2ME Ex for 3 gases
KM 100-3ME Ex
mounted on 20 l / 10 bar steel receiver
mounted on 20 l / 10 bar stainless steel receiver
mounted on 100 l / 10 bar steel receiver
mounted on 100 l / 10 bar stainless steel receiver

options:
inlet pressure monitoring with
alarm module AM3 (for Ex)
surcharge analogue pressure transmitters 2 inlet gases
surcharge analogue pressure transmitters 3 inlet gases

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

MG-ME Ex

2 or 3 gases | low to very high flows

Powerful gas mixers especially for highly fluctuating mixing gas output quantities

- infinitely variable gas blending
- variable mixture output
- various flow capacities
- separate electrical control panel
- 5 m cable between control unit and mixing device
- certified in accordance to ATEX
- model A with integrated analysis, LC-display, 4-20 mA signal and min./max. alarms (further information in section 6 „Gas Analyzers")
- alarm module AM3 (optional): integrated inlet pressure monitoring with digital display for pressure (with analogue pressure transmitters) plus optical alarm, adjustable alarm limits, alarm acknowledgement required, protection of alarms, interfaces for controlling external alarms etc.

data sheet MG 50/100-ME

data sheet MG 200-ME

model

MG-2ME Ex for 2 gases
MG 50-2ME Ex*
mounted on 100 l / 10 bar steel receiver
A, with integrated analysis mounted on 100 l / 10 bar steel receiver
mounted on 100 l / 10 bar stainless steel receiver
A, with integrated analysis, mounted on 100 l / 10 bar stainless steel receiver

MG 100-2ME Ex*A, with integrated analysis
mounted on 250 l / 11 bar steel receiver .
mounted on 250 l / 11 bar stainless steel receiver
MG 200-2ME Ex*
A, with integrated analysis

MG-2ME Ex for 3 gases
MG 50-3ME Ex*
mounted on 100 l / 10 bar steel receiver
mounted on 100 l / 10 bar stainless steel receiver
MG 100-3ME Ex*
mounted on 250 l / 11 bar steel receiver
mounted on 250 l / 11 bar stainless steel receiver
MG 200-3ME Ex*

options:
inlet pressure monitoring with alarm module AM3 (for Ex)
*external filter as additional protection for each gas inlet recommended for MG 50 and MG 100; mandatory for MG 200
surcharge analogue pressure transmitters 2 inlet gases
surcharge analogue pressure transmitters 3 inlet gases

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

OXYBABY® M+

for food-grade gases, conforms to 1935/2004

data sheet

product video

portable O2 / CO2 gas analyzer - basic model

Compact handheld O2 / CO2 analyzer e.g. for sample testing of MAP-packages

- quick and precise
- data log of 100 results (measurement, date, time, product/line no.)
- administration of product data and product names
- incl. carrying case, spare needles and filters

model

OXYBABY® M+ for O2
OXYBABY® M+ for O2/CO2

option:
connector tube with Luer-Lok-connection

OXYBABY® 6.0

for food-grade gases, conforms to 1935/2004

data sheet

product video

portable O2 / CO2 gas analyzer - premium model

Compact handheld O2 / CO2 analyzer e.g. for sample testing of MAP-packages (premium model)

- quick and precise
- data log of 500 measurements
- administration of product data and product names
- incl. carrying case, spare needles and filters
- minimum sample gas requirement (approx. 2ml)
- minimized response time
- measurement of pressure
- USB-interface
- data-log of 500 results
- comfort operation
- integrated needle and filter checks

model

OXYBABY® 6.0 for O2
OXYBABY® 6.0 for O2/CO2

option:
connector tube with Luer-Lok-connection

further accessories: see p. 29
OBCC software see p. 29

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

OXYBABY® M+ P

data sheet

basic gas analyzer for pressurised pipelines

Mobile O2/ CO2 sample analysis in pressurised pipelines, mainly in welding technology (basic model)

- fast and precise
- battery operation
- integrated memory for the last measurements
- including carrying case and G 1/4 AG connection

model

OXYBABY® M+ P for O2/CO2

OXYBABY® 6.0 P

data sheet

premium gas analyzer for pressurised pipelines

Mobile O2/ CO2 sample analysis in pressurised pipelines, mainly in welding technology (premium model)

- fast and precise
- data-log of 500 results (analysis values, date, time of measurement)
- including carrying case and G 1/4 AG connection
- administration of up to 25 users
- comfort operation
- simplified menu navigation etc.

model

OXYBABY® 6.0 P for O2/CO2

OXYBABY® Accessories

data sheet

diverse

Accessories for using the OXYBABY® as a table stand and for premium functions

- for versatile use
- practical and smart

model

table stand for OXYBABY®
connector tube with Luer-Lok-connection

OBCC software see p. 29

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

OXYBABY® CANPIERCER

for cans and bottles

Cans and bottles are hardly controllable by standard analysis devices. Therefore WITT offers a special construction which is suitable for all OXYBABY® models.

- for head space analysis of cans and bottles, with or without overpressure/gas

Canpiercer

data sheet

model

CANPIERCER for cans and bottles
(with set for head space analysis):

for cans without overpressure/gas (z.B. juice)*
for max. height 270 mm, needle length 5.5 mm
order no. 590000156

for cans with overpressure/gas, incl. bottle adapter*
for max. height 270 mm, needle length 8.5 mm
order no. 590000165
for max. height 390 mm, needle length 8.5 mm
order no. 590000166
for max. height 390 mm, needle length 18.5 mm
order no. 590000325

for cans with high overpressure/gas (strongly sparkling drinks) incl. calibration module and flow control*
for max. height 270 mm, needle length 5.5 mm
order no. 590000239

for cans and bottles, pressure measurement only, incl. bottle adapter
for max. height 390 mm, needle length 5.5 mm
order no. 590000341

Canpiercer-module (for refitting):
bottle adapter

* other versions on request

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

WITT
www.wittgas.com

OXYPAD

tabletop and mobile O2 / CO2 gas analyzer

for food-grade gases, conforms to 1935/2004

Mobile desktop O2 / CO2 analyzer e.g. for sample testing of MAP-packages - innovative design

- fast, precise and reliable measurement results
- large 7″ touch-screen with graphical user interface for intuitive operation
- needle casing keeps the needle clean and safe
- ergonomic needle pen for precise and safe handling
- low weight, ergonomic form and battery

model

OXYPAD	for O2
OXYPAD	for CO2
OXYPAD	for O2 and CO2

data sheet

product video

OXYPAD: the new device class for QM

The new OXYPAD from WITT offers a range of innovative details that make your work in quality management more pleasant, faster and more efficient:

Download Flyer

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

PA 7.0

tabletop O2 / CO2 gas analyzer

for food-grade gases, conforms to 1935/2004

Compact tabletop analyzer for sample- and continuous testing of food packages (MAP) and for welding applications

- different designs: P (pressure), L (lance) and S (sample)
- connector set (output and alarm signals)
- with zirconia measuring cell for O2 for
- quicker measurements

data sheet

model

PA 7.0 for O2	Version P or L
PA 7.0 for CO2	Version P or L
PA 7.0 for O2/CO2	Version P or L
PA 7.0 for O2	Version S
PA 7.0 for O2	Version S and L
PA 7.0 for O2/CO2	Version S
PA 7.0 for O2/CO2	Version S and L

options:
handle
coupling socket set (output signals; alarm contacts)
integration of the analysing system in the mixer
housing
zirconia measuring cell for O2
O2 measurement in ppm-range (surcharge calibration)
heating and thermostat, only electro-chemical sensors
paramagnetic sensor

OBCC software for the documentation of analysis results: see p. 29

FAQ

Your questions - our answers

The new FAQ section will soon be available on our website. Here you will find lots of questions about our products, technical details and maintenance from all product areas.

Feel free to browse through the sections and see what new information you find. Or search for your specific topic by entering your search term.

Do you have specific questions that you would like to see answered?
Write to us with your question - we will be happy to take up your suggestion.

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

MAPY 4.0 / MAPY

O2 / CO2 gas analyzer, sample + inline

for food-grade gases, conforms to 1935/2004

reddot design award

MAPY 4.0 - inclined display
for use in laboratory

data sheet

Premium gas analyzer for sample- and continuous testing of food packages (MAP)

- for use in laboratory (housing with inclined display) and in production line (housing with vertical display)
- different designs: P (pressure), L (lance) and S (sample)
- connector set (output and alarm signals)
- optional: zirconia measuring cell for O2 for quicker measurements
- MAPY LE: ideal also for inline analysis of flow packaging machines; minimization of gas consumption by combination with the gas mixer KM-FLOW or the KD gas meterer

model

MAPY 4.0 / MAPY LE	O2	Version P or L
MAPY 4.0 / MAPY LE	CO2	Version P or L
MAPY 4.0 / MAPY LE	O2/CO2	Version P or L
MAPY 4.0 / MAPY LE	O2	Version S
MAPY 4.0 / MAPY LE	O2	Version S and L
MAPY 4.0 / MAPY LE	O2/CO2	Version S
MAPY 4.0 / MAPY LE	O2/CO2	Version S and L

options:
zirconia measuring cell
paramagnetic measuring cell (incl. larger housing)
external barcode reader
coupling socket set
fully automatic calibration 1 channel
fully automatic calibration 2 channels
O2 measurement in ppm-range (surcharge calibration)
heating and thermostat, only electro-chemical sensors
different Ethernet cables
(only for MAPY in vertical housing)

MAPY LE - vertical display
for use as inline analyzer

data sheet

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

MAPY VAC

O2 / CO2 gas analyzer, for traysealers and thermoformers

Inline gas analyzer for continuous control of modified atmospheres in traysealers and thermoformers

- measures the O2 or O2/CO2 concentration before sealing the package
- with touchscreen or as black box version (BB)
- option: analysis of buffer tank
- ideal in combination with a WITT gas mixer

MAPY VAC with touchscreen

MAPY VAC black box version

data sheet

model

MAPY VAC O2 Zr
MAPY VAC O2 Zr BB
MAPY VAC O2/CO2 Zr
MAPY VAC O2/CO2 Zr BB
MAPY VAC O2 Zr, incl. buffer analysis
MAPY VAC O2 Zr BB, incl. buffer analysis
MAPY VAC O2/CO2 Zr, incl. buffer analysis
MAPY VAC O2/CO2 Zr BB, incl. buffer analysis

option:
cover IP45

Inline gas analysis

integrated with gas mixer

Gas Analyzers for H2, He, etc. to be combined with WITT gas mixers

- gas mixer and analyzer as a compact unit
- integrated analysis with LCD display touchscreen
- min./max. alarms
- for flammable gases certified to ATEX

GC 50

data sheet

model

analyzer system H2 (Ex, Thermal Conductivity Sensors)
analyzer system H2 (Ex, Thermal Conductivity Sensors) with additional cut-off valve for flammable gases
analyzer system He (Thermal Conductivity Sensors)
analyzer system O2 (chemical)
zirconia measuring cell for analyzer system O2 (chemical)
analyzer system O2 (paramagnetic)
analyzer system CO2 (infrared)
analyzer system O2 / CO2 (chemical/infrared)
analyzer system O2 / CO2 (paramagnetic/infrared)
integration of the analysing system in the mixer housing (MG 200 without surcharge)

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

Options

Back-purging device for inline gas analyzers against blocked filters on gas inlets

data sheet

for WITT gas analyzers

Additional functions for optimizing the process (except for MAPY and MFA)

- data export and analysis
- automatic calibration
- alarm function
- error advice
- back-purging device against blocked filters

option

digital paperless chart recorder, 3 channels
integration chart recorder in mixer
LED-warning light with horn
digital chart-recorder (only GC 50)
data logger (only GC 50)
implementation of USB interface on the back or the front of the housing
analysis of the flow measurement (4-20mA), without flow-sensor
automatic calibration (not for PA), 1 channel
automatic calibration (not for PA), 2 channels
automatic calibration in Ex-version (not for PA), 1 channel
automatic calibration in Ex-version (not for PA), 2 channels
error advice via e-mail (only in combination with data logger (GC50)

back-purging device for inline gas analyzers

OBCC

data sheet

documentation software for OXYBABY® 6.0 and PA

Windows software for the documentation of analysis measuring results. For OXYBABY® 6.0, P 6.0, Med and PA 7.0

- modern, intuitive interface
- graphic representation of the measured data, verifiable PDF reports
- comfortable data management with import and export function

OBCC full version incl. updates

licence for 1 year
licence for 2 years

▶▶▶ **Free download OBCC trial version**
Download the 30-day trial version of OBCC (for Windows) now without obligation and free of charge. Just fill out the form. You will immediately receive a confirmation e-mail with the download link.

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

MFA 10.0

multi gas analyzer

data sheet

Portable multi gas analyzer especially for maintanance and service

- for analysis of up to 15 different combinations of gases
- easy to use 7“ colour touchscreen
- continuous analysis
- no calibration necessary after changing gas combination
- 4-20 mA output signal

model

MFA 10.0

RLA 100

ambient air monitoring

data sheet

Compact ambient air monitor for the detection of CO2

- 2 alarm limits
- 4-digit display and 4 LEDs for visual control of gas concentration
- gas measuring computer with integrated alarm device (light and horn)
- easy wall-mounting

model

RLA 100

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer‘s certificate see p. 109.

04/18/2024

RLA compact

ambient air monitoring

data sheet

Compact ambient air monitoring system for the detection of O2, CO2, H2 etc, incl. gas monitor, transmitter and transmitter cable

- simultanous monitoring of up to four gas inlets
- freely adjustable limits per software
- data logger
- exceeding the limits generates alarm and triggers a potential free contact

models / versions

gas monitor 1-channel
every additional transmitter channel (max. 4)
transmitter for O2
transmitter for CO2- not Ex
transmitter for O2 Zircox - not Ex
transmitter for combustible gases H2, methane, ethylene, propane (under explosion limit -0..50/100% UEG) - Atex: Zone 2, Cat. 3G
transmitter for CO
flow adapter (recommended for calibration)
transmitter cable per meter and transmitter

RLA multichannel

ambient air monitoring

data sheet

Compact ambient air monitoring system for the detection of O2, CO2, H2 etc, incl. gas monitor, transmitter and transmitter cable

- simultanous monitoring of up to four gas inlets
- freely adjustable limits per software
- data logger
- exceeding the limits generates alarm and triggers a potential free contact

models / versions

4-channel gas monitor with alarm
additional channel (up to 16 channels possible)
transmitter for O2
transmitter for CO2- not Ex
transmitter for O2 Zircox - not Ex
transmitter for combustible gases H2, methane, ethylene, propane (under explosion limit -0..50/100% UEG) - Atex: Zone 2, Cat. 3G
transmitter for CO
flow adapter (recommended for calibration)
transmitter cable per meter and transmitter

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

Inlet pressure monitoring

with alarm module AM3

For continuous inlet pressure monitoring for maximum process safety

- simultanous monitoring of up to 3 gas inlets
- freely adjustable limits
- intuitive menu design
- exceeding the limits generates alarm and triggers a potential free contact

separate inlet pressure monitoring

data sheet

Inlet pressure monitoring

separate
for flammable gases as Ex-version with separate control housing

options:
data cable
ALARM CONTROL software
surcharge analogue pressure transmitters, 2 inlet gases
surcharge analogue pressure transmitters, 3 inlet gases
surcharge analogue pressure transmitters Ex, 2 inlet gases
surcharge analogue pressure transmitters Ex, 3 inlet gases
LED warning light with signal-horn

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

LEAK-MASTER® EASY

bubble-test

LEAK-MASTER® EASY 3

data sheet

product video

control unit PLUS (optional)

data sheet

For the detection of even the smallest leaks, without operating with trace gas

- for all flexible and stable types of packages, also without modified atmosphere
- easy, intuitive handling
- visual principle of measurement, reveals the position of the leak
- administration and documentation of user and product data (only with control unit PLUS)

model	**chamber size in approx. mm (HxWxD)**
EASY 0.5	115 x 305 x 195
EASY 1	165 x 305 x 195
EASY 1.5	145 x 505 x 310
EASY 2	205 x 505 x 310
EASY 3	275 x 525 x 360
EASY 4	320 x 625 x 500
EASY 5	340 x 760 x 500

version with electric vacuum pump instead of compressed air (not retrofittable)

options:	**order no.**
vacuum-set	956.992700
vacuum holding valve	800961000
calibrated manometer	800942100
ASTM F2096 testing set	966129800
control unit PLUS	5901LME-Z-003
options for control unit:	
barcode reader IP 65	957099400

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

LEAK-MASTER® PRO 2

CO2-based

LEAK-MASTER® PRO 2 model 2.1

LEAK-MASTER® PRO 2 model 2.2

Fast, non-destructive detection of even the smallest leaks in MAP-packages, CO2-based

- non-destructive sample leak testing at a strong price-performance ratio
- without using expensive helium or hydrogen
- detects even the smallest of leaks from 10 µm (depending on the product and the test conditions) with highly sensitive and ultra-fast CO2 sensor
- housing made of acrylic glass
- visual indication of test results (LED lighting)
- 4 chamber sizes for single packages or small boxes
- measuring range 0 ppm - 5.000 ppm
- user and product administration and documenation
- data transfer via ethernet

data sheet

product video

models	**chamber size in approx. mm (HxWxD)**
LM 2.1	42 x 310 x 200
LM 2.2	174 x 310 x 200
LM 2.3	100 x 460 x 305
LM 2.4	150 x 380 x 380

options:	**order no.:**
barcode reader IP 65	957099400

version with electric vacuum pump instead of compressed air (not retrofittable)

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

LEAK-MASTER® PRO

CO2-based, for large packages

Fast, non-destructive detection of even the smallest leaks in MAP-packages, CO2-based

- for large packages and E2-boxes
- detects even the smallest leaks
- measurig range 0 ppm - 5.000 ppm
- user and product administration and documenation
- data transfer via ethernet

models	**chamber size in approx. mm (LxWxH)**
LM 12.2	140 x 680 x 500
LM 12.1	230 x 680 x 500

options:	**order no.:**
WLAN (WIFI)	966042600
barcode reader IP 65	957099400
connection for rinsing air	966042500

data sheet

Leak testing methods in comparison

Many industrial products have to be leak-tight. For example, food, cosmetics or pharmaceutical packaging, but also products such as lights in the automotive industry, electronics or plastic components.

But how can manufacturers test the leak-tightness of their products?

In this interview, Geert Elie from WITT gives an overview of the possibilities and explains the advantages and disadvantages in this interview.

Mr. Elie, what do you recommend to customers who want to test their products for leaks?

The entry-level solution is to test in a water bath. This is a very simple, yet effective method. The test specimen is held under water and the tester watches for rising air bubbles. Very intuitive.

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 109.

04/18/2024

LEAK-MASTER® MAPMAX

data sheet

product video

CO2-based, 100% inline solution

Fast, non-destructive detection of even the smallest leaks in MAP-packages, CO2-based

- for large packages and E2-boxes
- detects even the smallest leaks
- measurig range 0 ppm - 5.000 ppm
- user and product administration and documenation
- data transfer via ethernet
- integration in t he packaging process
- automatic product positioning
- automatic product transport to the following process
- up to 15 cycles per minute

The prices refer to the standard version of the machines. All sizes imply: LxWxH (the width „W“ refers to the moving direction of the conveyor-belt). The height includes the alarm lamp.

models	**size in approx. mm (LxWxH)**
MAPMAX Typ 400	1840 x 1130 x 2200
max. product dimensions 600 x 400 x 380 mm	
up to zu 15 cycles per minute	
MAPMAX Typ 700	1840 x 1130 x 2200
max. product dimensions 600 x 680 x 220 mm	
up to zu 15 cycles per minute	

options:
WLAN (WIFI)
barcode reader IP 65
MINK vacuum pump
central vacuum layout (control valve central vacuum)
surface pressurization (incl. motorization)
e.g. to speed up and improve the measurements
for packages with a low gas volume

Accessories

barcode reader

for WITT leak detectors

For process optimization with models EASY PLUS, PRO and MAPMAX

WIFI (not for Control Unit PLUS)
barcode reader IP 65
Test-Leak (60µ) for the inspection of measuring and testing equipment
(only for LEAK-MASTER® MAPMAX and PRO)

Special designs, higher flow rates or different pressures on demand.
Manual available by download. Printed operating manual, certificate of conformity, manufacturer‘s certificate see p. 109.

04/18/2024

RF53N

connections 1/4", 3/8", 1/2"

data sheet

Universal flashback arrestors certified to DIN EN ISO 5175-1, our best-seller

- safety elements: flame arrestor [FA], temperature-sensitive cut-off valve [TV], non-return valve [NV]
- every arrestor 100% tested
- BAM certified
- 25.5 X 82 mm, 191 g
- acetylene max. 13 m^3/h
- fuel gases max. 68 m^3/h
- oxygen max. 187 m^3/h

Also available in stainless steel

connection	inlet → outlet	order no.
for fuel gases:		
G 1/4 LH	MG → AGS	145-009
G 3/8 LH	MG → AGS	145-012
G 1/2 LH	MG → AGS	145-016
9/16" LH	MG → AGS	145-017
for oxygen:		
G 1/4 RH	MG → AGS	145-021
G 3/8 RH	MG → AGS	145-022
G 1/2 RH	MG → AGS	145-023
9/16" RH	MG → AGS	145-057
for fuel gases or oxygen:		
1/4" NPT	IG → IG	145-197
3/8" NPT	IG → IG	145-205
G 1/4 RH	IG → IG	145-125

RF53DN

connections G 1/4", G 3/8", G 1/2"

data sheet

Universal flashback arrestors certified to DIN EN ISO 5175-1 with pressure relief valve [RV]

- safety elements: flame arrestor [FA], temperature-sensitive cut-off valve [TV], non-return valve [NV]
- every arrestor 100% tested
- BAM certified
- 25.5 X 101 mm, 260 g
- acetylene max. 11.5 m^3/h
- fuel gases max. 105 m^3/h
- oxygen max. 56 m^3/h

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	MG → AGS	145-041
G 1/2 LH	MG → AGS	145-043
9/16" LH	MG → AGS	145-044
for oxygen:		
G 1/4 RH	MG → AGS	145-048
G 3/8 RH	MG → AGS	145-049
G 1/2 RH	MG → AGS	145-050
9/16" RH	MG → AGS	145-051

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

RF53NSK

connections 1/4", 3/8"

Flashback arrestors certified to DIN EN ISO 5175-1 with integrated coupling body

data sheet

- safety elements: flame arrestor [FA], temperature-sensitive cut-off valve [TV], non-return valve [NV], filter on the gas inlet
- every arrestor 100% tested
- BAM certified
- 25.5 X 110 mm, 248 g
- acetylene max. 13 m^3/h
- fuel gases max. 68 m^3/h
- oxygen max. 187 m^3/h

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	MG → coupling body	145SK-002
9/16" LH	MG → coupling body	145SK-004
for oxygen:		
G 1/4 RH	MG → coupling body	145SK-008
G 3/8 RH	MG → coupling body	145SK-001
9/16" RH	MG → coupling body	145SK-003

85-10

connections 1/4", 3/8", 1/2"

Standard flashback arrestor, certified to DIN EN ISO 5175-1 for higher flows

data sheet

- safety elements: flame arrestor [FA], temperature-sensitive cut-off valve [TV], non-return valve [NV], filter on the gas inlet
- every arrestor 100% tested
- BAM certified
- 34 X 106 mm, 434 g
- acetylene max. 22 m^3/h
- fuel gases max. 235 m^3/h
- oxygen max. 310 m^3/h

Also available in stainless steel

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	MG → AGS	143-002
G 1/2 LH	MG → AGS	143-008
9/16" LH	MG → AGS	143-009
9/16-18 UNF LN 165 PSI H2	IG → IG	143-123
1/4" NPT 165 PSI H2	IG → IG	143-324
for oxygen:		
G 1/4 RH	MG → AGS	143-013
G 3/8 RH	MG → AGS	143-016
G 1/2 RH	MG → AGS	143-019
9/16" RH	MG → AGS	143-022
for fuel gases or oxygen:		
1/4" NPT	IG → IG	143-323
3/8" NPT	IG → IG	143-105
G 3/8 RH	IG → IG	143-227

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

85-20

connections 3/4", 1/2", 1"

Standard flashback arrestor, certified to DIN EN ISO 5175-1 for higher flows

- safety elements: flame arrestor [FA], temperature-sensitive cut-off valve [TV], non-return valve [NV]
- every arrestor 100% tested
- 62 X 131/137 mm, 1400-1500 g
- acetylene max. 45 m^3/h
- fuel gases max. 324 m^3/h
- oxygen max. 333 m^3/h

Also available in stainless steel

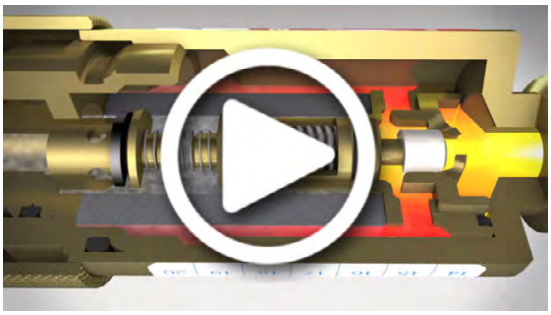
data sheet

connection	inlet → outlet	order no.
for fuel gases:		
G 3/4 LH	MG → AGS	149-001
for oxygen:		
G 3/4 RH	MG → AGS	149-014
1/2" NPT	IG → IG	_____
for fuel gases or oxygen:		
G 1/2 RH	IG → IG	149-002
1/2" NPT	IG → IG	149-003
G 1 RH	IG → IG	149-004
G 3/4 RH	IG → IG	149-005
3/4" NPT	IG → IG	149-006
1" NPT	IG → IG	149-017

Already a classic: our most seen video

Get to know how flashback arrestors work, and learn everything about the relevant safety elements and their operation in an impressive 3D animated video.

And see the dramatic consequences of cutting costs on safety technology in this video.



Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

85-30

connections 3/4", 1", 1.1/2"

data sheet

Flashback arrestors certified to DIN EN ISO 5175-1, standard for maximum flows

- safety elements: flame arrestor [FA], temperature-sensitive cut-off valve [TV], non-return valve [NV], filter on the gas inlet
- every arrestor 100% tested
- 84 X 162/188 mm, 4.580 g
- acetylene max. 70 m^3/h
- fuel gases max. 675 m^3/h
- oxygen max. 860 m^3/h

Also available in stainless steel

connection	inlet → outlet	order no.
for fuel gases (except acetylene):		
G 3/4 LH	MG → AGS	147-001
G 1 LH	MG → AGS	147-003
1" NPT 165 PSI H2	IG → IG	147-058
3/4" NPT 165 PSI H2	IG → IG	147-091
for oxygen:		
G 3/4 RH	MG → AGS	147-065
G 1 RH	MG → AGS	147-068
1" NPT No TCV	IG → IG	147-094
for fuel gases (except acetylene) or oxygen:		
3/4" NPT	IG → IG	147-081
1/2" NPT	IG → IG	147-083
G 1.1/2 RH	IG → IG	147-069
1" NPT	IG → IG	147-072
for acetylene only (EPDM sealing ring):		
1/2" NPT	IG → IG	147-119
1" NPT	IG → IG	147-121

Every flashback arrestor 100% tested

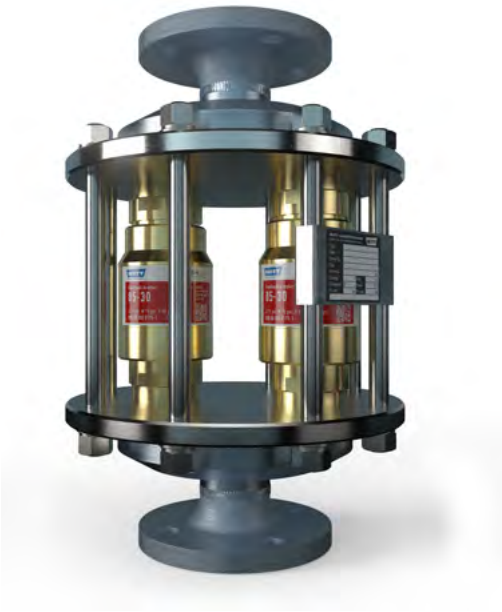
WITT stands for the highest quality, made in Germany. In addition to setting engineering standards, we use the best materials, excellent workmanship and a seamless quality assurance system.
We developed our own testing equipment and procedures for testing every single flashback arrestor before delivery. Safe as it gets.

The WITT Company is certified for quality management system DIN EN ISO 9001:2008.
Information on our product certifications and testing can be found on the data sheet. You can also find a list of all WITT certifications at our website.

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

Safety group 645/85-30



data sheet

connections DN 50 (2- or 4-fold)

Parallel connection of 2 or 4 flashback arrestors model 85-30, ideal for high consumption and high flows

- safety elements: flame arrestor [FA], temperature-sensitive cut-off valve [TV], non-return valve [NV]
- every arrestor 100% tested
- 285 X 430 mm, 44 kg (2-fold), 53 kg (4-fold)
- acetylene max. 392 m^3/h
- fuel gases max. 2.740 m^3/h
- oxygen max. 1.850 m^3/h

This model (4-fold) is also available in stainless steel.

connection	inlet → outlet	order no.
for fuel gases:		
DN 50 (2-fold).....	flange DIN 2633	182-023
DN 50 (4-fold).....	flange DIN 2633	182-007
2" NPT (4-fold)	IG → IG	182-030
for oxygen:		
DN 50 (2-fold).....	flange DIN 2633	182-027
DN 50 (4-fold).....	flange DIN 2633	182-008

Safety group 645/623N

data sheet

connections DN 65 (4- or 5-fold)

Parallel connection of 4 or 5 flashback arrestors model 623N, ideal for high consumption and high flows

- safety elements: flame arrestor [FA], temperature-sensitive cut-off valve [TV], non-return valve [NV]
- every arrestor 100% tested
- 260 X 384 mm, 44 kg (4-fold), 31/46 kg (5-fold)
- town gas / natural gas max. 1.010 m^3/h

connection	inlet → outlet	order no.
for town gas / natural gas:		
DN 65/PN16 (4-fold)	flange DIN 2633	182-014
DN 65/PN16 (5-fold)	flange DIN 2633	182-018

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

FLASHBACK ARRESTORS
for pressure regulators, outlet points and pipelines

SUPER 55

connections 3/8", 1/4"

data sheet

Resettable Flashback arrestor, certified to DIN EN ISO 5175-1 with pressure sensitive cut-off valve [PV] and visual warning

- safety elements: flame arrestor [FA], temperature-sensitive cut-off valve [TV], non-return valve [NV], filter on the gas inlet and pressure sensitive cut-off valve [PV]
- stops supply of fuel gas in case of flashback and shows warning signal, easy recommissioning
- every arrestor 100% tested
- BAM certified
- 27.5 X 124 mm
- acetylene max. 10 m^3/h
- fuel gases max. 60 m^3/h
- oxygen max. 95 m^3/h

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	MG → AGS	146-025
9/16" LH	MG → AGS	146-029
for oxygen:		
G 1/4 RH	MG → AGS	146-027
G 3/8 RH	MG → AGS	146-026
9/16" RH	MG → AGS	146-030

SUPER 78

connections 3/8", 1/4"

data sheet

Resettable Flashback arrestor, certified to DIN EN ISO 5175, with pressure sensitive cut-off valve [PV] and visual warning, and maximum number of safety elements

- safety elements: flame arrestor [FA], temperature-sensitive cut-off valve [TV], non-return valve [NV], filter on the gas inlet, pressure sensitive cut-off valve [PV]
- stops supply of fuel gas in case of flashback and shows visual warning that flashback has occured, easy to reset
- every arrestor 100% tested
- BAM certified
- 63 X 120 mm, 650g
- acetylene max. 11 m^3/h
- fuel gases max. 128 m^3/h
- oxygen max. 62 m^3/h

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	MG → AGS	125-010
9/16" LH	MG → AGS	125-012
for oxygen:		
G 1/4 RH	MG → AGS	125-016
G 3/8 RH	MG → AGS	125-017
9/16" RH	MG → AGS	125-019

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

SUPER 66

connections 3/8", 1/4"

data sheet

Resettable Flashback arrestor, certified to DIN EN ISO 5175, with pressure sensitive cut-off valve [PV] and visual warning, and maximum number of safety elements

- safety elements: flame arrestor [FA], temperature-sensitive cut-off valve [TV], non-return valve [NV], filter on the gas inlet, pressure sensitive cut-off valve [PV]
- stops supply of fuel gas in case of flashback and shows visual warning that flashback has occured, easy to reset
- every arrestor 100% tested
- 63 X 160 mm, 1.104 g
- acetylene max. 20 m^3/h
- fuel gases max. 225 m^3/h
- oxygen max. 105 m^3/h

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	MG → AGS	125-002
for oxygen:		
G 1/4 RH	MG → AGS	125-006
G 3/8 RH	MG → AGS	125-007

F53N/HHO

connections 1/4"

data sheet

Universal flashback arrestor brass for hydrogen-oxygen-mixture, certified to DIN 32508 n° 5.8.2 and 5.8.3, suitable for chlorinators

- safety elements: flame arrestor [FA], temperature-sensitive cut-off valve [TV]
- every arrestor 100% tested
- 25 X 68 mm, 172 g
- up to max. 0.5 bar
- air max. 13 Nm^3/h

connection	inlet → outlet	order no.
for HHO:		
G 1/4 RH	MG → AGS	145-276

Did you know?
Most of our products are suitable for hydrogen

If you find the „H2 READY“ logo on a product page on our website, you can be sure: This product is suitable for your hydrogen application.

If you miss it somewhere - just ask. Perhaps we can help you anyway.
You can reach our specialists here: witt @wittgas.com

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

E460-1

connections 3/8"

data sheet

Flashback arrestors certified to DIN EN ISO 5175-1 with nozzle connection

- for individual cylinders
- safety elements: flame arrestor [FA], non-return valve [NV]
- every arrestor 100% tested
- BAM certified
- 86 mm height, 99 g
- acetylene max. 9 m^3/h
- fuel gases max. 82 m^3/h
- oxygen max. 119 m^3/h

connection	inlet → outlet	order no.
for fuel gases:		
4.0 mm - G 3/8 LH	nozzle → MG	135-002
6.3 mm - G 3/8 LH	nozzle → MG	135-005
8.0 mm - G 3/8 LH	nozzle → MG	135-009
9.0 mm - G 3/8 LH	nozzle → MG	135-013
for oxygen:		
4.0 mm - G 1/4 RH	nozzle → MG	135-014
6.3 mm - G 1/4 RH	nozzle → MG	135-017
6.3 mm - G 3/8 RH	nozzle → MG	135-018
9.0 mm - G 3/8 RH	nozzle → MG	135-022

E460-2

connections 4 up to 9 mm

data sheet

Flashback arrestors certified to DIN EN ISO 5175-1 for hose mounting

- for individual cylinders
- safety elements: flame arrestor [FA], non-return valve [NV]
- every arrestor 100% tested
- BAM certified
- 99 mm height, 93 g
- acetylene max. 9 m^3/h
- fuel gases max. 82 m^3/h
- oxygen max. 119 m^3/h

connection	inlet → outlet	order no.
for fuel gases:		
4.0 mm - 4.0 mm	nozzle → nozzle	135-029
6.3 mm - 6.3 mm	nozzle → nozzle	135-031
8.0 mm - 8.0 mm	nozzle → nozzle	135-032
9.0 mm - 9.0 mm	nozzle → nozzle	135-034
for oxygen:		
4.0 mm - 4.0 mm	nozzle → nozzle	135-037
6.3 mm - 6.3 mm	nozzle → nozzle	135-038
8.0 mm - 8.0 mm	nozzle → nozzle	135-039

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

E460-3

connections 1/4", 3/8"

data sheet

Flashback arrestors certified to DIN EN ISO 5175-1 with thread connection for torch or cutting machine

- for individual cylinders
- safety elements: flame arrestor [FA], non-return valve [NV]
- every arrestor 100% tested
- BAM certified
- 65 mm height, 107 g
- acetylene max. 9 m^3/h
- fuel gases max. 82 m^3/h
- oxygen max. 119 m^3/h

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	AGS → MG	135-042
9/16" LH	AGS → MG	135-045
for oxygen:		
G 1/4 RH	AGS → MG	135-046
G 3/8 RH	AGS → MG	135-094
9/16" RH	AGS → MG	135-048

E460-SK

connections 1/4", 3/8"

data sheet

Flashback arrestors certified to DIN EN ISO 5175-1 with integrated coupling nipple

- for individual cylinders
- safety elements: flame arrestor [FA], non-return valve [NV]
- every arrestor 100% tested
- can be used in conjunction with WITT-coupling system SK100 for quick hose connection / disconnection
- 86 mm height, 112 g
- acetylene max. 9 m^3/h
- fuel gases max. 82 m^3/h
- oxygen max. 119 m^3/h

suitable: coupling body SK100-9

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	probe → MG	135SK-114
9/16" LH	probe → MG	135SK-117
for oxygen:		
G 1/4 RH	probe → MG	135SK-115
G 3/8 RH	probe → MG	135SK-124
9/16" RH	probe → MG	135SK-121

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

E460-SKU

connections 6.3 and 8 mm, 3/8", 1/4"

data sheet

Flashback arrestors certified to DIN EN ISO 5175-1 with integrated coupling body

- for individual cylinders
- safety elements: flame arrestor [FA], non-return valve [NV]
- every arrestor 100% tested
- can be used in conjunction with WITT-coupling system SK100 for quick hose connection / disconnection
- 85 mm height, 145 g
- acetylene max. 13 m^3/h
- fuel gases max. 68 m^3/h
- oxygen max. 187 m^3/h

suitable coupling probes: see quick couplings

connection	inlet → outlet	order no.
for fuel gases:		
6.3 mm	nozzle → coupling body	135SK-001
8.0 mm	nozzle → coupling body	135SK-004
G 3/8 LH	AGS → coupling body	135SK-128
for oxygen:		
6.3 mm	nozzle → coupling body	135SK-002
G 1/4 RH	AGS → coupling body	135SK-127

SK100-9

connections 6.3 and 8 mm, 3/8", 1/4"

data sheet

Coupling body without non-return valve and coupling probe, accessory for E460SK and E460SKU

- for quick connection and disconnection of the hose
- coupling body for coupling to E460SK
- coupling probe SK100-1 for coupling to E460SKU
- in accordance with EN 561 / ISO 7289

connection	inlet → outlet	order no.
for fuel gases:		
6.3 mm	nozzle ⇆ coupling body	150-021
8.0 mm	nozzle ⇆ coupling body	150-039
9.0 mm	nozzle ⇆ coupling body	150-023
G 3/8 LH	AGS ⇆ coupling body	150-081
for oxygen:		
6.3 mm	nozzle ⇆ coupling body	150-024
8.0 mm	nozzle ⇆ coupling body	150-040
G 1/4 RH	AGS ⇆ coupling body	150-080
G 3/8 RH	AGS ⇆ coupling body	150-079
other gases:		
6.3 mm	nozzle ⇆ coupling body	150-077

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

RF53NU

connections 1/4", 3/8", 1/2"

data sheet

Flashback arrestors certified to DIN EN ISO 5175-1 for high-performance torches

- safety elements: flame arrestor [FA], temperature-sensitive cut-off valve [TV], non-return valve [NV], filter on the gas inlet
- every arrestor 100% tested
- 25.5 X 82 mm, 191 g
- acetylene max. 13 m^3/h
- fuel gases max. 68 m^3/h
- oxygen max. 187 m^3/h

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	AGS → MG	145-034
G 1/2 LH	AGS → MG	145-035
9/16" LH	AGS → MG	145-236
for oxygen:		
G 1/4 RH	AGS → MG	145-036
G 3/8 RH	AGS → MG	145-037
G 1/2 RH	AGS → MG	145-038
9/16" RH	AGS → MG	145-235

85-10NU

connections 3/8", 1/2"

data sheet

Flashback arrestors certified to DIN EN ISO 5175-1 for high-performance torches

- safety elements: flame arrestor [FA], temperature-sensitive cut-off valve [TV], non-return valve [NV], filter on the gas inlet
- every arrestor 100% tested
- 34 X 106 mm, 434 g
- acetylene max. 22 m^3/h
- fuel gases max. 235 m^3/h
- oxygen max. 310 m^3/h

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	AGS → MG	143-039
G 1/2 LH	AGS → MG	143-231
9/16" LH	AGS → MG	143-245
for oxygen:		
G 3/8 RH	AGS → MG	143-041
9/16" RH	AGS → MG	143-244

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

85-10NU (eccentric)

connections 3/8", 1/4", 1/2"

Flashback arrestors certified to DIN EN ISO 5175-1 for high-performance torches, off-centre connection

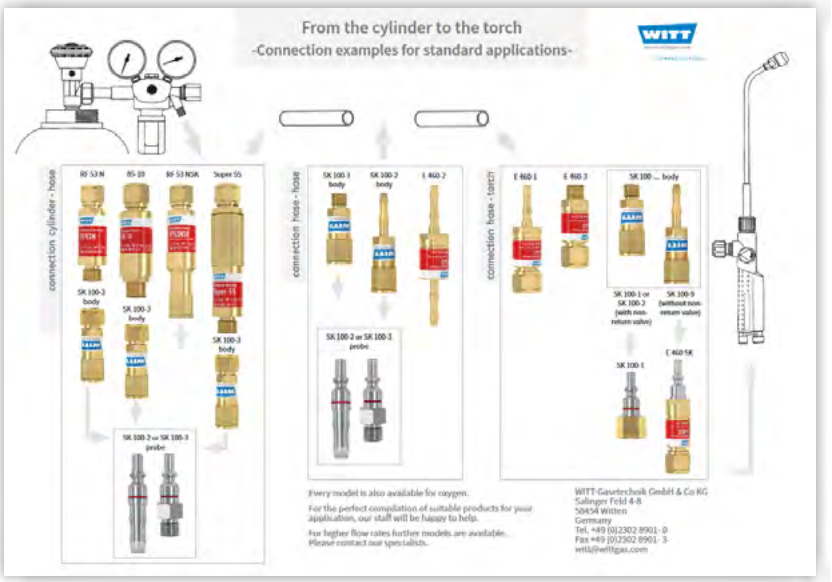
- safety elements: flame arrestor [FA], temperature-sensitive cut-off valve [TV], non-return valve [NV], filter on the gas inlet
- every arrestor 100% tested
- 34 X 99-118 mm, 417 g
- acetylene max. 22 m^3/h
- fuel gases max. 235 m^3/h
- oxygen max. 310 m^3/h

data sheet

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	AGS → MG (eccentric)	143-217
G 1/2 LH	AGS → MG (eccentric)	143-148
9/16" LH	AGS → MG (eccentric)	143-131
for oxygen:		
G 1/4 RH	AGS → MG (eccentric)	143-215
G 3/8 RH	AGS → MG (eccentric)	143-216
G 1/2 RH	AGS → MG (eccentric)	143-152
9/16" RH	AGS → MG (eccentric)	143-132

Which safety device at which point? An overview.

Find the right products for your welding application.



Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

FLASHBACK ARRESTORS
for cutting machines

E460-3

connections 1/4", 3/8"

Flashback arrestors certified to DIN EN ISO 5175-1 with thread connection for torch or cutting machine

- for individual cylinders
- safety elements: flame arrestor [FA], non-return valve [NV]
- every arrestor 100% tested
- BAM certified
- 65 mm height, 107 g
- acetylene max. 9 m^3/h
- fuel gases max. 82 m^3/h
- oxygen max. 119 m^3/h

data sheet

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	AGS → MG	135-042
for oxygen:		
G 1/4 RH	AGS → MG	135-046
G 3/8 RH	AGS → MG	135-052

RF53U

connections 1/4", 3/8", 1/2"

Flashback arrestors certified to DIN EN ISO 5175-1 for high-performance cutting machines - without temperature-sensitive cut-off valve [TV]

- safety elements: flame arrestor [FA], non-return valve [NV] , filter on the gas inlet
- every arrestor 100% tested
- 25.5 X 82 mm, 191 g
- acetylene max. 13 m^3/h
- fuel gases max. 68 m^3/h
- oxygen max. 187 m^3/h

data sheet

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	AGS → MG	145-003
9/16" LH	AGS → MG	145-145
for oxygen:		
G 1/4 RH	AGS → MG	145-004
G 3/8 RH	AGS → MG	145-005
G 1/2 RH	AGS → MG	145-006
9/16" RH	AGS → MG	145-144

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

85-10U

connections 3/8", 1/2"

data sheet

Flashback arrestors certified to DIN EN ISO 5175-1 afor high-performance cutting machines - without temperature-sensitive cut-off valve

- safety elements: flame arrestor [FA], non-return valve [NV], filter on the gas inlet
- every arrestor 100% tested
- 34 X 106 mm, 434 g
- acetylene max. 22 m^3/h
- fuel gases max. 235 m^3/h
- oxygen max. 310 m^3/h

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	AGS → MG	143-223
G 1/2 LH	AGS → MG	143-040
for oxygen:		
9/16" LH	AGS → MG	143-301
G 3/8 RH	AGS → MG	143-133
G 1/2 RH	AGS → MG	143-042
9/16" RH	AGS → MG	143-304

Perfect for cutting machines: Dome pressure regulators from WITT

Correct gas dosing is of crucial importance for flame cutting machines.

Dome pressure regulators from WITT are predestined for this with their advanced technology: The constant working pressure ensures a constant gas concentration and thus the quality of the downstream processes.

Read the article „The design makes the difference“ from our news section.

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

FLASHBACK ARRESTORS
for high flows

RF53N/30

connections 3/8"

Flashback arrestors certified to DIN EN ISO 5175-1 for higher flows

- safety elements: flame arrestor [FA], temperature-sensitive cut-off valve [TV], non-return valve [NV] (for low pressure applications without non-return valve)
- every arrestor 100% tested
- 25.5 X 82 mm, 191 g
- 65 mm height, 107 g
- fuel gases 16 m3/h
- air 12 m3/h

connection	inlet → outlet	order no.
with non-return valve:		
G 3/8 LH	MG → AGS	145-120
without non-return valve:		
G 3/8 RH	MG → AGS	145-136

RF53N/30

connections 1/4", 3/8", 1/2"

Flashback arrestors certified to DIN EN ISO 5175-1 for higher flows

- safety elements: flame arrestor [FA], temperature-sensitive cut-off valve [TV], non-return valve [NV] (for low pressure applications without non-return valve)
- every arrestor 100% tested
- 25.5 X 82 mm, 191 g
- 65 mm height, 107 g
- fuel gases 30 m3/h
- air 21 m3/h

connection	inlet → outlet	order no.
with non-return valve:		
G 3/8 LH	MG → AGS	143-118
G 1/2 LH	MG → AGS	143-121
1/4" NPT	IG → IG	143-130
without non-return valve:		
G 1/2 LH	MG → AGS	143-200
1/4" NPT	IG → IG	143-168

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

270N/NU

connections 3/4" up to 1.1/2"

data sheet

Flashback arrestors certified to DIN EN ISO 5175-1 for very high flows

- safety elements: flame arrestor [FA], non-return valve [NV] temperature-sensitive cut-off valve [TV]
- every arrestor 100% tested
- 62 X 131-160 mm, 1.400-1.700 g
- acetylene max. 22 m^3/h
- fuel gases (without acetylene) max. 371 m^3/h
- air max. 164 m^3/h

Pipeline fittings see page 53

connection	inlet → outlet	order no.
270N		
G 3/4 RH	AGS → MG	123-038
G 1 RH	AGS → MG	123-041
G 1.1/4 RH	AGS → MG	123-039
G 1.1/2 RH	AGS → MG	123-040
G 1/2 RH	IG → IG	123-054
G 1 RH	IG → IG	123-057
270N (reverse flow)		
G 3/4 RH	MG → AGS	123-046
G 3/4 LH	MG → AGS	123-050
G 1 RH	MG → AGS	123-047
G 1 LH	MG → AGS	123-051
G 1.1/4 RH	MG → AGS	123-048
G 1.1/4 LH	MG → AGS	123-052
G 1.1/2 RH	MG → AGS	123-049
G 1.1/2 LH	MG → AGS	123-053

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

FLASHBACK ARRESTORS
for high flows

WITT
www.wittgas.com

623N/NU

connections 3/4" up to 1.1/2"

data sheet

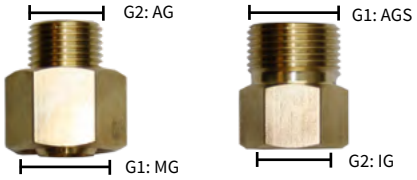
Flashback arrestors certified to DIN EN ISO 5175-1 for maximum flows

- safety elements: flame arrestor [FA], non-return valve [NV] temperature-sensitive cut-off valve [TV]
- every arrestor 100% tested
- 62 X 184-195 mm, 1.800-2.001 g
- fuel gases max. 406 m^3/h
- air max. 335 m^3/h

connection	inlet → outlet	order no.
623N		
G 3/4 RH	AGS → MG	189-006
G 1 RH	AGS → MG	189-008
G 1.1/4 RH	AGS → MG	189-009
G 1.1/2 RH	AGS → MG	189-007
G 1 RH	IG → IG	189-017
623N (reverse flow)		
G 3/4 LH	MG → AGS	189-013
G 1 LH	MG → AGS	189-012
G 1.1/4 LH	MG → AGS	189-014
G 1.1/2 LH	MG → AGS	189-015

Pipeline fittings

connections 3/4" up to 1.1/2"



For flashback arrestors models 70, 270N/NU and 623N/NU

connection G1	connection G2	order no.
G 3/4 RH	G 1/2 RH	043000000
G 1 RH	G 3/4 RH	043000100
G 1.1/4 RH	G 1 RH	043000200
G 1.1/2 RH	G 1.1/4 RH	043000300

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

FN 12 / FN 40

connections 1.1/2"

data sheet

Decomposition arrestor, stops dangerous decomposition of acetylene in low-pressure pipelines - up to 1.5 bar

- safety elements: flame arrestor [FA], temperature-sensitive cut-off valve [TV]
- stops the explosive decomposition of acetylene via pressure-controlled quick-acting piston valve
- every arrestor 100% tested
- BAM certified
- DIN EN ISO 14114
- 70 X 160/200 mm, 3.091-3.846 g
- FN12 Q= ca. 76 m^3/h
- FN40 Q= ca. 140 m^3/h

connection	inlet → outlet	order no.
F12		
G 1.1/2 RH	IG → IG	021-001
F40 (double flow capacity)		
G 1.1/2 RH	IG → IG	021-003

Safety group 645 / FN 40

connections DN 50 (2- or 4-fold)

data sheet

Parallel bundle of 2 or 4 decomposition arrestors FN4, to protect against dangerous decomposition of acetylene in low-pressure pipelines, for high flow rates - up to 1.5 bar

- safety elements: flame arrestor [FA], temperature-sensitive cut-off valve [TV]
- stops the explosive decomposition of acetylene
- every arrestor 100% tested
- DIN EN ISO 5175-1
- 470 X 260 mm, 46 kg
- Q= ca. 560 m^3/h

connection	inlet → outlet	order no.
DN 50 (2-fold)	flange DIN 2633	182-001
DN 50 (4-fold)	flange DIN 2633	182-002

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

FLASHBACK ARRESTORS
for central acetylene supply

HDS17

connections 3/4"

data sheet

Shut-off device stops dangerous decomposition of acetylene in the high-pressure pipelines - up to 25 bar

- stops the explosive decomposition of acetylene via pressure-controlled quick-acting piston valve
- every arrestor 100% tested
- BAM certified
- TRAC 206
- DIN EN ISO 15615
- DIN EN ISO 14114
- 50 X 152 mm, 1.797 g
- up to 25 bar working pressure

connection	inlet → outlet	order no.
G 3/4 RH	IG → IG	017-001

HRV 650

connections 1.1/2"

data sheet

Bundle connection with non-return valve, for direct connection to a cylinder bundle

- with non-return valve certified to EN ISO 14114
- tested in accordance with DIN EN ISO 15615
- every arrestor 100% tested
- for a rapid, easy and thus safe replacement of the acetylene cylinder bundle
- no tools required
- dimensions: 172 mm, 865 g
- up to 25 bar working pressure

connection	inlet → outlet	order no.
„Linde“ M 28x1.5 LH - M 24x1.5 RH	IG → MG	210000011
„Messer“ M 28x1.5 LH - M 24x1.5 RH	IG → MG	210000020

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

MGN

connections 1/2", 1/4"

data sheet

Decomposition arrestor stops dangerous decomposition of acetylene in the high-pressure pipes of bottling plants - up to 25 bar

- safety elements: flame arrestor [FA], optional: non-return valve [NV]
- opening pressure approx. 60 mbar
- every arrestor 100% tested
- DIN EN ISO 14114
- EIGA acetylene IGC DOC 123/4
- 29.5 X 88.5 mm, 385-412 g
- up to 25 bar

connection	inlet → outlet	order no.
G 1/2 RH - W 21.8x1/14	AG → AG	022-014
G 1/4 RH - G 1/4	AGS → IG	022-011
1/4" NPT - 1/4“ NPT	IG → IG	022-015
1/4“ NPT - 1/4“ NPT (FA)	IG → IG	022-016
1/4“ NPT - 1/4“ NPT (FA,NV)	AG → IG	022-020

HD-NV

connections 1/4"

High-pressure non-return valve to be screwed onto the gas cylinder by using a bow - up to 25 bar

- for bows according to DIN 477, part 1, no. 3
- every arrestor 100% tested
- EN ISO 15615
- up to 25 bar

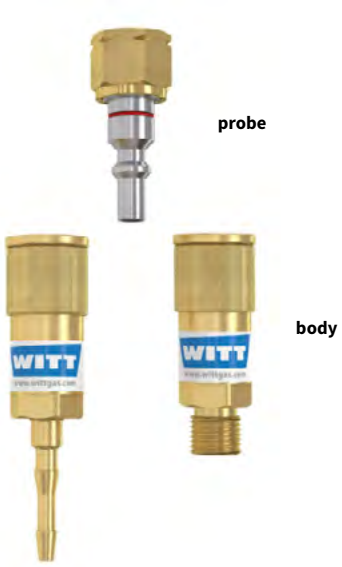
connection	inlet → outlet	order no.
HD-NV	DIN → G 1/4 RH AGS	210000022
HD-NV incl. bow	DIN → G 1/4 RH AGS	210000022B

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

SK100-1

for torches



- rapid connection and disconnection of the hose
- simple and robust colour-coding of body and nipple
- nipple with non-return valve and self-acting gas lock
- coupling nipple made of durable stainless steel
- certified to DIN EN 561/ ISO 7289
- every hose coupling 100% tested

data sheet

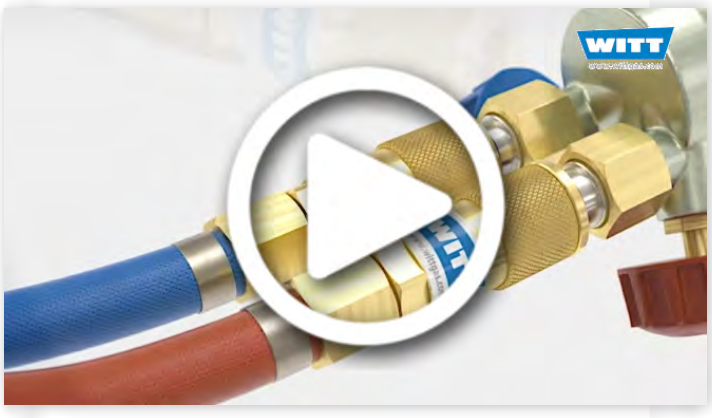
product video

connection	inlet → outlet	order no.
probe		
for fuel gases:		
G 3/8 LH	probe → MG	151-001
for oxygen:		
G 1/4 RH	probe → MG	151-003
G 3/8 RH	probe → MG	151-004
9/16-18UNF RH	probe → MG	151-029
for other gases:		
G 1/4 RH	probe → MG	151-005
body (also for SK100-2)		
for fuel gases:		
4.0 mm	nozzle → coupling body	150-001
6.3 mm	nozzle → coupling body	150-003
8.0 mm	nozzle → coupling body	150-004
9.0 mm	nozzle → coupling body	150-005
G 3/8 LH	MG → coupling body	150-028
G 3/8 LH	AGS → coupling body	150-064
for oxygen:		
4.0 mm	nozzle → coupling body	150-007
6.3 mm	nozzle → coupling body	150-009
8.0 mm	nozzle → coupling body	150-010
G 1/4 RH	AGS → coupling body	150-061
G 3/8 RH	AGS → coupling body	150-060
for other gases:		
6.3 mm	nozzle → coupling body	150-013
G 1/4 RH	AGS → coupling body	150-063
G 3/8 RH	AGS → coupling body	150-062

Small differences with a big effect

What makes WITT quick couplings so special?

Watch our video to find out what features our quick couplings have and how they benefit you as a customer.



Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

SK100-2 for hoses

data sheet

product video

- rapid connection and disconnection of the hose
- simple and robust colour-coding of body and nipple
- flexible extension of hose if required
- nipple with non-return valve and self-acting gas lock
- coupling nipple made of durable stainless steel
- certified to DIN EN 561/ ISO 7289
- every hose coupling 100% tested

connection **inlet → outlet** **order no.**

probe (also for SK100-3)

for fuel gases:
4.0 mm .....probe → nozzle 151-007
6.3 mm .....probe → nozzle 151-009
8.0 mm .....probe → nozzle 151-010
9.0 mm .....probe → nozzle 151-011
G 3/8 LH .....probe → AGS 151-048

for oxygen:
4.0 mm .....probe → nozzle 151-013
6.3 mm .....probe → nozzle 151-015
8.0 mm .....probe → nozzle 151-016
G 1/4 RH .....probe → AGS 151-045
G 3/8 RH .....probe → AGS 151-044

for other gases:
6.3 mm .....probe → nozzle 151-021
G 1/4 RH .....probe → AGS 151-047
G 3/8 RH .....probe → AGS 151-046

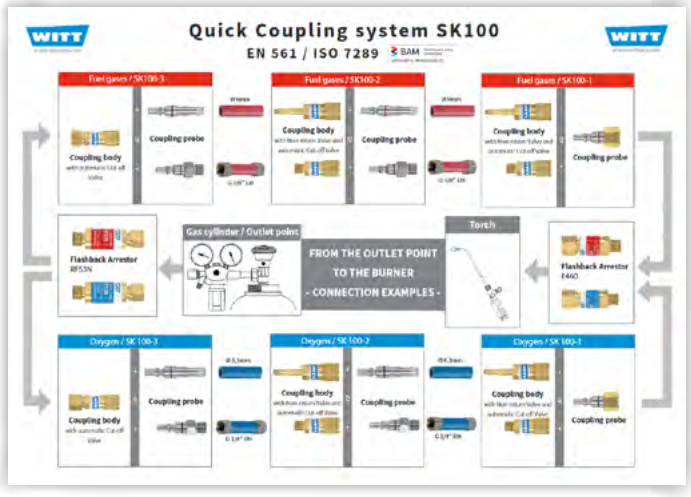
body

see SK100-1

Which coupling for which position? An overview.

Use our practical overview of the WITT SK100 coupling system.

Here you will find:
- all modules from the tapping point up to the handle
- all connections at a glance
- all WITT article numbers for fuel gases and for oxygen



Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

SK100-3

for outlet points

probe

body

data sheet

product video

- rapid connection and disconnection of the hose
- simple and robust colour-coding of body and nipple
- nipple with self-acting gas lock
- coupling nipple made of durable stainless steel
- certified to DIN EN 561 / ISO 7289
- every hose coupling 100% tested

connection	inlet ⇆ outlet	order no.
probe		
see SK100-2		
body		
for fuel gases:		
G 3/8 LH	MG ⇆ coupling body	150-015
9/16 LH	MG ⇆ coupling body	150-016
for oxygen:		
G 1/4 RH	MG ⇆ coupling body	150-017
G 3/8 RH	MG ⇆ coupling body	150-018
9/16 LH	MG ⇆ coupling body	150-036
for other gases:		
G 1/4 RH	MG ⇆ coupling body	150-019
G 3/8 RH	MG ⇆ coupling body	150-028

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

Key Mark Coupling

for the protection of outlet points

body

probe

- rapid connection and disconnection of the hose
- simple and robust colour-coding of body and nipple
- coupling nipple made of durable stainless steel
- only the owner of the designated key mark can extract gas
- certified to DIN EN 561 / ISO 7289
- every hose coupling 100% tested

connection	inlet ⇆ outlet	order no.
body		
for fuel gases:		
G 3/8 LH	MG ⇆ coupling body	150-029
for other gases:		
G 1/4 RH	MG ⇆ coupling body	150-033
keymark		801836700
probe		
for fuel gases:		
4.0 mm	probe ⇆ nozzle	151-007
6.3 mm	probe ⇆ nozzle	151-009
8.0 mm	probe ⇆ nozzle	151-010
9.0 mm	probe ⇆ nozzle	151-011
G 3/8 LH	probe ⇆ AGS	151-048
for other gases:		
6.3 mm	probe ⇆ nozzle	151-021
G 1/4 RH	probe ⇆ AGS	151-047
G 3/8 RH	probe ⇆ AGS	151-046

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

735 / 736

hose couplings for higher flows

- rapid connection and disconnection of the hose
- designed for higher flows
- certified to DIN EN 561 / ISO 7289
- every hose coupling 100% tested

connection	inlet ⇆ outlet	order no.
model 735		
coupling bodies		
for fuel gases:		
G 3/8 LH	MG ⇆ coupling body	041327500
for oxygen:		
G 3/8 RH	MG ⇆ coupling body	041227500
probes		
for fuel gases:		
G 3/8 LH	probe ⇆ MG	041328700
for oxygen:		
G 3/8 RH	probe ⇆ MG	041228700
model 736		
coupling bodies		
for fuel gases:		
G 1/2 LH	MG ⇆ coupling body	041327200
for oxygen:		
G 1/2 RH	MG ⇆ coupling body	041227200
probes		
for fuel gases:		
G 1/2 LH	probe ⇆ MG	041328200
for oxygen:		
G 1/2 RH	probe ⇆ MG	041228200

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

ULTRA 10

connections 1/2"

Ultra performance protection against gas return: compact, quiet, ideal for low pressure applications

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- according to DIN EN ISO 5175-1 / DIN EN ISO 5175-2
- ultra-low opening pressures (4 mbar), ultra-low pressure drop
- compact and light: 35 X 60 mm, 221 g
- minimal noise emission
- dirt filter (100 µm) on gas inlet
- up to 16 bar

Also available in stainless steel

connection	inlet → outlet	order no.
G 1/2 RH	IG → IG	034-003
1/2 " NPT	IG → IG	034-007

design (standard):
filter: yes seal o-ring: NBR seal valve: CR housing: brass

data sheet

product video

ULTRA 12

connections 1/2"

Based on ULTRA 10 – your customized design: multiple combinations of housing and seal materials, with or without filter

- free combination of material for housing (brass, stainless steel, aluminum) and seal (NBR/CR, FPM/FKM, EPDM/FFKM), with or without filter
- for special requirements e.g. corrosive environments, acetylene, light-weight construction, temperatures above 70 °C/ 158 °F

based on ULTRA 11 including:

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- DIN EN ISO 5175-2
- ultra-low opening pressures (4 mbar), ultra-low pressure drop
- compact and light: 35 X 60 mm, 221 g
- minimal noise emission
- up to 16 bar

connection	inlet → outlet	order no.
G 1/2 RH	IG → IG	

design (modular system):
(filter/seal o-ring/seal valve/housing)

no/NBR/CR/brass	034-001
yes/NBR/CR/aluminum	034-005
yes/FPM/FKM/brass	034-006

data sheet

product video

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

ULTRA 20

connections 1/2", 3/4", 1"

data sheet

product video

Ultra-performance protection against gas return: compact, quiet, ideal for low pressure applications

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- according to DIN EN ISO 5175-1 / DIN EN ISO 5175-2
- ultra-low opening pressures (4 mbar), ultra-low pressure drop
- compact and light: 52 X 67.5 mm, 510 g
- minimal noise emission
- dirt filter (100 µm) on gas inlet
- ideal for applications where low pressures are used e.g. thermal processing, biogas etc.
- up to 16 bar

Also available in stainless steel

connection	inlet → outlet	order no.
G 1/2 RH	IG → IG	036-022
G 3/4 RH	IG → IG	036-014
G 1 RH	IG → IG	036-015
1/2“ NPT	IG → IG	036-024
3/4“ NPT	IG → IG	036-020
1“ NPT	IG → IG	036-021

design (standard):
filter: yes seal o-ring: NBR seal valve: CR housing: brass

Why ULTRA?

WITT has achieved a leap in performance in non-return valves.
Read all about our latest successful model in this brochure.

ULTRA performance
New valve design - flow optimized
Maximum flow, minimal nominal size

ULTRA low opening pressure
From 4 mbar - ideal for low pressure applications
When every mbar counts

ULTRA compact
Small and lightweight
Perfect for compact plant designs

ULTRA silent
No fluttering - lowest noise emission
Less wear - longer service life

ULTRA flexible
Free combination of materials on request
Exactly suitable for your requirements

ULTRA safe
Reliably stops gas backflow and flashback

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

ULTRA 22

connections 1/2", 3/4", 1"

data sheet

product video

Based on ULTRA 20 – your customized design: multiple combinations of housing and seal materials, with or without filter

- free combination of material for housing (brass, stainless steel, aluminum) and seal (NBR/CR, FPM/FKM, EPDM/FFKM), with or without filter
- for special requirements e.g. corrosive environments, acetylene, light-weight construction, temperatures above 70 °C/ 158 °F

based on ULTRA 20 including:

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- DIN EN ISO 5175-2
- ultra-low opening pressures (4 mbar), ultra-low pressure drop
- compact and light: 52 X 67.5 mm, 510 g
- minimal noise emission
- up to 16 bar

connection	inlet → outlet	order no.
G 1 RH	..... IG → IG	
design (modular system): (filter/seal o-ring/seal valve/housing)		
no/EPDM/EPDM/brass		036-001
no/NBR/CR/brass		036-003
yes/NBR/CR/aluminum		036-008
yes/ISOLAST/ISOLAST/aluminum		036-009
G 1/2 RH	..... IG → IG	
design (modular system): (filter/seal o-ring/seal valve/housing)		
yes/FPM/FPM/brass		036-013

What are the typical areas of application?

Would you like to know whether ULTRA non-return valves are suitable for your application? suitable for your application?

Ask our specialists and let them advise you.

Request a callback here.

Low pressure pipelines

Thermal processing plants

Hydrogen applications

Biogas plants

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

ULTRA 30

data sheet

product video

connections 1.1/2"

Ultra-performance protection against gas return: compact, quiet, ideal for low pressure applications

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- according to DIN EN ISO 5175-1 / DIN EN ISO 5175-2
- ultra-low opening pressures (5 mbar), ultra-low pressure drop
- compact and light: 73.5 X 111 mm, 1.8 kg
- minimal noise emission
- dirt filter (100 µm) on gas inlet
- ideal for applications where low pressures are used
- up to 20 bar

Also available in stainless steel

connection	inlet → outlet	order no.
G 1.1/2 RH	IG → IG	033-001
1.1/2" NPT	IG → IG	033-007

design (standard):
filter: yes seal o-ring: NBR seal valve: CR housing: brass

ULTRA 32

data sheet

product video

connections 1.1/2"

Based on ULTRA 30 – your customized design: multiple combinations of housing and seal materials, with or without filter

- free combination of material for housing (brass, stainless steel, aluminum) and seal (NBR/CR, FPM/FKM, EPDM/FFKM), with or without filter
- for special requirements e.g. corrosive environments, acetylene, light-weight construction, temperatures above 70 °C/ 158 °F

based on ULTRA 30 including:

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- DIN EN ISO 5175-2
- ultra-low opening pressures (5 mbar), ultra-low pressure drop
- compact and light: 73.5 X 110 mm, 1.8 kg
- minimal noise emission
- up to 20 bar

connection	inlet → outlet	order no.
G 1.1/2 RH	IG → IG	

design (modular system):
(filter/seal o-ring/seal valve/housing)

yes/EPDM/EPDM/brass	033-009
yes/NBR/CR/stainless steel	033-010

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

ULTRA 40

connections 2.1/2"

Ultra-performance protection against gas return: compact, quiet, ideal for low pressure applications

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- according to DIN EN ISO 5175-1 / DIN EN ISO 5175-2
- ultra-low opening pressures (5 mbar), ultra-low pressure drop
- compact and light: 114 X 146 mm, 7.1 kg
- minimal noise emission
- dirt filter (100 µm) on gas inlet
- ideal for applications where low pressures are used
- up to 20 bar

Also available in stainless steel

connection	inlet → outlet	order no.
G 2.1/2 RH	IG → IG	035-001
2.1/2" NPT	IG → IG	035-004

design (standard):
filter: yes seal o-ring: NBR seal valve: CR housing: brass

data sheet

product video

ULTRA 42

connections 2.1/2"

Based on ULTRA 40 – your customized design: multiple combinations of housing and seal materials, with or without filter

- free combination of material for housing (brass, stainless steel, aluminum) and seal (NBR/CR, FPM/FKM, EPDM/FFKM), with or without filter
- for special requirements e.g. corrosive environments, acetylene, light-weight construction, temperatures above 70 °C/ 158 °F

based on ULTRA 40 including:

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- DIN EN ISO 5175-2
- ultra-low opening pressures (5 mbar), ultra-low pressure drop
- compact and light: 114 X 146 mm, 7.1 kg
- minimal noise emission
- up to 20 bar

connection	inlet → outlet	order no.
G 2.1/2 RH	IG → IG	

design (modular system):
(filter/seal o-ring/seal valve/housing)
yes/FPM/FKM/stainless steel 035-007

data sheet

product video

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

NV 654

data sheet

connections 1/8"

Non-return valve for the prevention of unintended gas mixtures

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- DIN EN ISO 5175-2
- ultra-low opening pressures (approx. 30 mbar), ultra-low pressure drop
- small and light: 14 X 42 mm, 39 g
- up to 60 bar working pressure (O2: up to 30 bar)
- air max. 130 m^3/h

Also available in stainless steel

connection	inlet → outlet	order no.
G 1/8 RH	IG → AG	120003037

NV100

data sheet

connections 1/8" up to 3/8"

Non-return valve for the prevention of unintended gas mixtures

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- DIN EN ISO 5175-2
- ultra-low opening pressures (approx. 30 mbar), ultra-low pressure drop
- compact and light: 25 X 71-78 mm, 39 g
- up to 25 bar working pressure
- air max. 130 m^3/h

Also available in stainless steel

connection	inlet → outlet	order no.
G 1/8 RH	IG → IG	100145001
G 1/4 RH	IG → IG	100145002
G 3/8 RH	IG → IG	100145003
1/4" NPT	IG → IG	100145005
3/8" NPT	IG → IG	100145007

Do you already know our examples from practice?

In the Applications/Practical Examples menu item, you will find numerous application reports from a wide range of industries.

Perhaps your topic is also included?

Read for example:
Non-return Valves in Heat Treatment

NON-RETURN VALVES IN HEAT TREATMENT

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

NV 600H

connections 1/2" up to 1"

data sheet

Non-return valve for the prevention of unintended gas mixtures

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- DIN 8521-2
- ultra-low opening pressures (approx. 250 mbar)
- 52 X 65 mm, 589-745 g
- up to 40 bar working pressure
- air max. 1900 m^3/h

Also available in stainless steel

connection	inlet → outlet	order no.
G 1/2 RH	IG → IG	037-042
G 3/4 RH	IG → IG	037-035
G 1 RH	IG → IG	037-039
1/2" NPT	IG → IG	037-085
1" NPT	IG → IG	037-082

NV 70 / 70U

connections 1/2" up to 1.1/2"

data sheet

Non-return valve for the prevention of unintended gas mixtures, up to 16 bar for use in thermal processing plants, certified to EN 746-2

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- DIN 8521-2, DIN EN ISO 5175-2
- ultra-low opening pressures (4 mbar), ultra-low pressure drop
- 62 X 137 X 160 mm, 1.255-1.679 g
- up to 16 bar working pressure
- air max. 1120 m^3/h

See also „pipeline fittings“ on page 108

connection	inlet → outlet	order no.
70		
G 3/4 RH	AGS → MG	123-009
G 1 RH	AGS → MG	123-012
G 1.1/4 RH	AGS → MG	123-014
G 1.1/2 RH	AGS → MG	123-015
70U (reverse flow)		
G 3/4 RH	MG → AGS	123-016
G 1 RH	MG → AGS	123-018
G 1.1/4 RH	MG → AGS	123-056
G 1.1/2 RH	MG → AGS	123-045

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

NV 300

connections 1" up to DN 32

data sheet

Non-return valve for the prevention of unintended gas mixtures, up to 16 bar for use in thermal processing plants, certified to EN 746-2

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- ultra-low opening pressures (approx. 3.5 mbar), ultra-low pressure drop
- small and light: 14 X 42 mm, 39 g
- dirt filter (100 µm) on gas inlet
- up to 16 bar
- air max. 3260 m^3/h

Also available in stainless steel

connection	inlet → outlet	order no.
G 1 RH	IG → IG	300038002
G 1.1/4 RH	IG → IG	300038031
1" NPT	IG → IG	300038058
1.1/4" NPT	IG → IG	300038065
DN 32 / PN 40	loose flange*	300038A009

*with o-ring

NV 400

connections 1.1/2" up to DN 80

data sheet

Non-return valve for the prevention of unintended gas mixtures, up to 16 bar for use in thermal processing plants, certified to EN 746-2

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- use is possible for applications according to EN 746-2
- ideal for biogas desulphurization systems
- ultra-low opening pressures (approx. 3 mbar), ultra-low pressure drop
- 90 X 145 mm, 2.789 g
- dirt filter (100 µm) on gas inlet
- up to 16 bar
- air max. 8100 m^3/h

Also available in stainless steel

connection	inlet → outlet	order no.
G 1.1/2 RH	IG → IG	400038024
G 2 RH	IG → IG	400038008
1.1/2" NPT	IG → IG	400038062
2" NPT	IG → IG	400038045
DN 40 / PN 40	loose flange*	400038A005
DN 50 / PN 40	loose flange*	400038A006
DN 65 / PN 40	loose flange*	400038A007
DN 80 / PN 40	loose flange*	400038A008

*with o-ring

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

NV400 intermediate flange version

connections DN 40, DN 50

data sheet

Non-return valve for the prevention of unintended gas mixtures, up to 16 bar for use in thermal processing plants, certified to EN 746-2

- with welding neck flanges for simple installing and removing
- safety element: non-return valve [NV]
- every non-return valve 100% tested
- ultra-low opening pressures (approx. 3 mbar), ultra-low pressure drop
- dirt filter (100 µm) on gas inlet
- up to 16 bar
- air max. 8.100 m^3/h

Also available in stainless steel

connection	inlet → outlet	order no.
DN 40	flange	400S-040MS
DN 50	flange	400S-050MS

NV800

connections DN 80

data sheet

Non-return valve for the prevention of unintended gas mixtures, up to 16 bar for use in thermal processing plants, certified to EN 746-2

- with welding neck flanges for simple installing and removing
- safety element: non-return valve [NV]
- every non-return valve 100% tested
- DIN 8521-2
- ultra-low opening pressures (approx. 6-8 mbar), ultra-low pressure drop
- dirt filter (100 µm) on gas inlet
- up to 10 bar
- air max. 14.000 m^3/h

Also available in stainless steel

connection	inlet → outlet	order no.
DN 80 / PN 16	flange	080-001

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

NV2000

connections DN 80 up to DN 200

Non-return valve for the prevention of unintended gas mixtures, up to 16 bar for use in thermal processing plants, certified to EN 746-2

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- ultra-low opening pressures (approx. 5 mbar), ultra-low pressure drop
- DIN 8521-2
- dirt filter (100 µm) on gas inlet
- to be mounted in vertical position / orientation
- 320-340 X 393-450 mm, 50 kg
- up to 10 bar
- air max. 26.800 m^3/h

connection	inlet → outlet	order no.
DN 80 / PN 16.....	flange	2000119002
DN 100 / PN 16.....	flange	2000119003
DN 125 / PN 16.....	flange	2000119004
DN 150 / PN 16.....	flange	2000119006
DN 200 / PN 16.....	flange	2000119007

data sheet

Does the product fit into your plant?

You can now find out very easily.

Request a STEP file via the website.

In a short time you will receive it in your e-mail box and can comfortably check the installation possibilities in your CAD program.

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

SV 805

different connections

Option: adapter for ventilation pipe

data sheet

Safety Relief Valve for venting excess pressure from receivers, pipelines and other equipment

- spring- loaded, direct-acting safety relief valve
- every safety relief valve 100% tested
- with or without venting adapter
- CE 0045
- certified by TÜV as Category IV (Modules B & D) safety devices as per European Pressure Equipment Directive (PED) 2014/68/EU
- certified to PED 2014/68/EC Module H
- set to exactly the opening pressure you specify
- dimensions: 90-148 mm, 260/660 g
- up to 45 bar
- also available as „smart-option“ for connected manufacturing

Also available in stainless steel

SV 805	**order no.**
pressure settings:	
> 0.5 ≤ 45 bar	200-_ _ _
various connections (depending on pressure-setting)	
special sealing compound	
connections:	
M 24x1 AG → 1/2" NPT IG	801413600K
M 24x1 AG → G 1/2 AGS	802069800K
M 24x1 AG → 3/4" NPT IG	802124900K

SV 805A

different connections

with venting tool

data sheet

Safety Relief Valve for venting excess pressure from receivers, pipelines and other equipment

- spring- loaded, direct-acting safety relief valve
- every safety relief valve 100% tested
- with venting tool for manual ventilation
- CE 0045
- certified by TÜV as Category IV (Modules B & D) safety devices as per European Pressure Equipment Directive (PED) 2014/68/EU
- certified to PED 2014/68/EC Module H
- set to exactly the opening pressure you specify
- dimensions: 90-148 mm, 260/660 g
- up to 45 bar

Also available in stainless steel

pressure settings	**order no.**
with ventiong tool, outlet: 1/2 NPT IG	
> 0.5 ≤ 45 bar	200A-_ _ _
various connections (depending on pressure-setting)	
special sealing compound	

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

SV 805 SMART

different connections

data sheet

Smart Safety Relief Valve for venting excess pressure from receivers, pipelines and other equipment

- spring- loaded, direct-acting safety relief valve
- optical signal (red/green diode) directly on the valve, indicates the open or closed condition
- digital signal through an NPN / PNP open collector signal
- every safety relief valve 100% tested
- CE-marked according to PED 2014/68/EU
- set to exactly the opening pressure you specify
- dimensions: 90/95 mm
- up to 45 bar

Also available in stainless steel

SV 805 SMART	**order no.**
pressure settings:	
> 0.5 ≤ 45 bar	200SMART-_ _ _
various connections (depending on pressure-setting)	
signal cable with angled plug (2 m)	850022900 .....
special sealing compound	

AV 815

connections 1/2"

data sheet

Safety Relief Valve for venting of acetylene-application only in conjunction with manifold pressure regulators

- spring- loaded, direct-acting safety relief valve
- every safety relief valve 100% tested
- 7 different opening pressures and nominal flows available
- protective dust cap
- adapter for connection to ventilation pipe
- dimensions: 91 mm, 260 g

outlet pressure	**blow-off flow**	**opening pressure**	**order no.**
0.6 bar	50 m^3/h	0.75 bar	200-277
0.7 bar	60 m^3/h	0.95 bar	200-353
0.8 bar	65 m^3/h	1.25 bar	200-354
0.9 bar	70 m^3/h	1.25 bar	200-355
1.1 bar	72 m^3/h	1.55 bar	200-356
1.5 bar	75 m^3/h	1.90 bar	200-278
2.0 bar	90 m^3/h	2.50 bar	200-279

connections:
G 1/2 AG → M24 x 1 IG

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

ULTRAVENT 6

connections 1/8"

ULTRAVENT 6
without strainer

ULTRAVENT 6
with strainer

data sheet

Safety Relief Valve for venting excess pressure from receivers, pipelines and other equipment - ultra high blow-off performance

- spring-loaded, direct-acting safety relief valve
- flow-optimized valve system for maximum blow-off capacity
- every safety relief valve 100% tested
- TÜV-certification of pressure setting
- tested according to DIN EN ISO 4126-1
- can also be used as a control valve or as a vacuum breaker
- dimensions: 36 x 19 mm
- 5 up to 500 mbar

Also available in stainless steel 1.4404.

ULTRAVENT 6	**order no.**
pressure settings: 5 - 500 mbar	231-_ _ _ (depending on pressure-setting)

options:

strainer at outlet
100 µm (1.4301) 966.172500

individual TÜV approval for the set opening pressure

individual TÜV approval with manufacturer‘s certificate in accordance with DIN EN ISO 4126-1

100 µm filter at gas inlet (1.4301)

connections:
G 1/8 RH IG
1/8" NPT IG

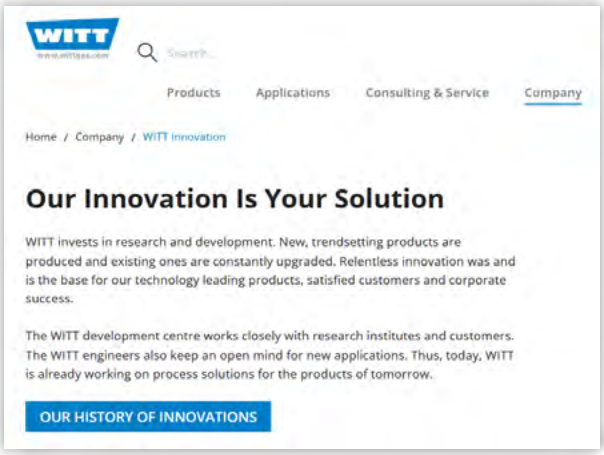
Revolution in blow-off performance

Compared to conventional safety valves, the new ULTRAVENT 6 from WITT offers a much higher blow-off performance despite its small size.

The pioneering optimized flow design makes this possible. Let us convince you!

Would you like to find out more about the innovations from WITT?

Then take a look at our website and read our long history of innovation.



Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

AV 619

connections 1/2" up to 1"

data sheet

Safety Relief Valve for venting excess pressure from receivers, pipelines and other equipment

- spring- loaded, direct-acting safety relief valve
- every safety relief valve 100% tested
- individual TÜV approval for the set opening pressure
- dimensions: 70.5 - 83.5 mm
- 5 up to 500 mbar

Also available in stainless steel

pressure settings	order no.
5 - 500 mbar	300-_ _ _ (depending on pressure-setting)

connections:

G1/2, G3/4, G1 RH IG
NPT" 1/2, 3/4, 1 IG

flange DN 25 according to DIN 28403

option:
individual TÜV approval
for the set opening pressure

AV 919

connections 2", DN 40

data sheet

Safety Relief Valve, aluminium, for venting excess pressure from receivers, pipelines and other equipment

- spring- loaded, direct-acting safety relief valve
- every safety relief valve 100% tested
- individual TÜV approval for the set opening pressure
- set to exactly the opening pressure you specify
- dimensions: 89.5 X 144-170 mm, 1.500 g
- 5 up to 500 mbar

Also available in stainless steel

pressure settings	order no.
5 - 500 mbar	400-_ _ _ (depending on pressure-setting)

connections:

G 2 RH IG, 2" NPT IG

flange DN 40 according to DIN 28403

option:
individual TÜV approval
for the set opening pressure

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

series RF53N-ES

connections 1/4", 3/8", 7/8"

data sheet

Universal-Flashback arrestors certified to DIN EN ISO 5175-1

- safety elements: flame arrestor [FA], temperature-sensitive cut-off valve [TV], non-return valve [NV] (except bei F53N-ES)
- every arrestor 100% tested
- 25.5 X 82 mm, 191 g
- F53N-ES (for very low working pressure upstream or downstream of the analysis device): air max. 225 m3/h
- RF53N-ES: air max. 180 m^3/h
- RF53N/H-ES: air max. 46 m^3/h

connection	inlet → outlet	order no.
F53N-ES		
for fuel gases (e.g. hydrogen up to 3 bar) or oxygen:		
1/4" NPT	IG → IG	145-227
F53N/H-ES		
for fuel gases (e.g. hydrogen up to 10 bar):		
1/4" NPT	IG → IG	145-106
RF53N-ES		
for fuel gases (e.g. hydrogen up to 3 bar) or oxygen:		
1/4" NPT	IG → IG	145-262
3/8" NPT	IG → IG	145-024
3/8 LH	MG → AGS	145-246
7/8" -14 UNF VCR	AG → AG	145-142
RF53N/H-ES		
for fuel gases (e.g. hydrogen up to 10 bar):		
1/4" NPT	IG → IG	145-107
3/8" NPT	IG → IG	145-121
3/8 LH	MG → AGS	145-232

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

series RF85-10N-ES

data sheet

connections 1/4", 3/8", 9/16", 7/8"

Stainless steel flashback arrestor, certified to DIN EN ISO 5175-1, for higher flows

- safety elements: flame arrestor [FA], temperature-sensitive cut-off valve [TV], non-return valve [NV] (except bei F85-10N-ES), filter on the gas inlet
- every arrestor 100% tested
- also ideal for use with corrosive gases
- 34 X 97 mm, 385 g
- F85-10N-ES (for very low working pressure upstream or downstream of the analysis device): air max. 390 m3/h
- RF85-10N-ES: air max. 315 m^3/h
- RF85-10N/H-ES: air max. 82 m^3/h

connection	inlet → outlet	order no.
F85-10N-ES		
for fuel gases (e.g. hydrogen up to 4 bar) or oxygen:		
1/4" NPT	IG → IG	143-149
3/8" NPT	IG → IG	143-198
F85-10N/H-ES		
for fuel gases (e.g. hydrogen up to 10 bar):		
1/4" NPT	IG → IG	143-100
RF85-10N-ES		
for fuel gases (e.g. hydrogen up to 4 bar) or oxygen:		
1/4" NPT	IG → IG	143-061
3/8" NPT	IG → IG	143-119
9/16" - 18 UNF VCR . AG → AG		143-163
9/16" - 18 UNF VCR . AG → AG (e.g. H2 up to 11 bar or O2)		143-190
7/8" - 14 UNF VCR ... AG → AG		143-134
3/8 LH	MG → AGS	143-054
RF85-10N/H-ES		
for fuel gases (e.g. hydrogen up to 10 bar):		
1/4" NPT	IG → IG	143-077
3/8" NPT	IG → IG	143-087
7/8" - 14 UNF VCR ... AG → AG		143-076
3/8 LH	MG → AGS	143-078

series RF85-20N-ES

data sheet

connections 1/2", 3/4", 1"

Stainless steel flashback arrestor, certified to DIN EN ISO 5175-1, for higher flows

- safety elements: flame arrestor [FA], temperature-sensitive cut-off valve [TV], non-return valve [NV], filter on the gas inlet
- every arrestor 100% tested
- also ideal for use with corrosive gases
- 62 X 131/137 mm, 1.400-1.500 g
- air max. 360 m^3/h

connection	inlet → outlet	order no.
for fuel gases (z.B. acetylene up to 2 bar) or oxygen:		
1/2" NPT	IG → IG	149-009
3/4" NPT	IG → IG	149-031
1" NPT	IG → IG	149-029

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

series RF85-30N-ES

data sheet

connections 3/4", 1", 1.1/2"

Universal-Flashback arrestors certified to DIN EN ISO 5175-1 for maximum flows

- safety elements: flame arrestor [FA], temperature-sensitive cut-off valve [TV], non-return valve [NV]
- every arrestor 100% tested
- also ideal for use with corrosive gases
- 84 X 162/188 mm, 4.455 g
- RF85-30N-ES: air max. 1.150 m^3/h
- RF85-30N/H-ES: air max. 310 m^3/h

connection	inlet → outlet	order no.
F85-30N-ES		
for fuel gases (e.g. hydrogen up to 4 bar) or oxygen:		
3/4" NPT	IG → IG	147-071
1" NPT	IG → IG	147-092
RF85-30N/H-ES		
for fuel gases (e.g. hydrogen up to 11 bar):		
1" NPT	IG → IG	147-047
3/4" NPT	IG → IG	147-039

Safety group 645 /85-30

data sheet

connections DN 50 (2- or 4-fold)

Parallel connection from 2 or 4 flashback arrestors model RF85-30-ES, ideal for high consumption and high flows

- safety elements: flame arrestor [FA], temperature-sensitive cut-off valve [TV], non-return valve [NV]
- every arrestor 100% tested
- also ideal for use with corrosive gases
- 285 X 430 mm, 44 kg (2-fold), 53 kg (4-fold)
- acetylene max. 392 m^3/h (free flow-off)
- fuel gases max. 2.740 m^3/h (free flow-off)
- oxygen max. 1.850 m^3/h (free flow-off)

connection	inlet → outlet	order no.
for fuel gases:		
DN 50 (2fold)	flange DIN 2633	182-045B
DN 50 (4fold)	flange DIN 2633	182-042B
2" NPT (4fold)	IG → IG	182-030B
for oxygen:		
DN 50 (2fold)	flange DIN 2633	182-045O
DN 50 (4fold)	flange DIN 2633	182-042O

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

F100N-ES

connections 1/2", 7/8"

data sheet

Flashback arrestors certified to DIN EN ISO 5175-1, for hydrogen up to 17 bar

- safety elements: flame arrestor [FA], temperature-sensitive cut-off valve [TV]
- every arrestor 100% tested
- for highest working pressures, e.g. with flame spraying
- 48 X 103 mm, 1.236 g
- air max. 32 m^3/h

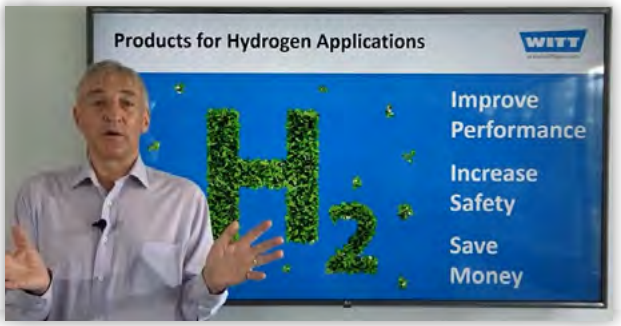
connection	inlet → outlet	order no.
for hydrogen (up to 17 bar):		
1/2" NPT	IG → IG	210000012
7/8" - 14 UNF VCR	AG → AG	210000019

Safe and efficient - WITT products for hydrogen applications

The future belongs to hydrogen and with WITT you are H2-READY! Hydrogen (H2) is already widely used as a raw material or process gas in industry in a variety of applications. As ‚green hydrogen' based on renewable energies, the gas is even regarded as the energy source of the future.

However, hydrogen is highly flammable, reactive and explosive when mixed with oxygen. The requirements for the necessary equipment and gas safety technology are correspondingly high.

WITT specializes in hydrogen applications and offers you the right gas technology at the highest quality level. In this video Andrew Smart shows you which products WITT offers to support your hydrogen application to the maximum.



Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

F53deto

connections 1/4"

data sheet

The deflagration volume protection device is ideal for protection of plants and equipment with a volume of max. 4.6 l.

Suitable as a detonation flame arrester ideal for mounting in small pipelines and to protect appliances, for example gas analyzers.

- safety elements: flame arrestor [FA]
- every device 100% testedPTB tested
- DIN EN ISO 16852
- 25 X 68 mm, 207 g
- inlet and outlet screw connection, housing: stainless steel 1.4305 / AISI 303
- flame arrestor: stainless steel 1.4404 / AISI 316L

connection	inlet → outlet	order no.
detonation and deflagration flame arrestor F53deto: G 1/4" (o-ring NBR)	IG → IG	145-258
detonation and deflagration flame arrestor F53deto: G 1/4" - M12 (o-ring NBR)	IG → AG	145-250

F53Ndeto

connections 1/4" - with cut-off valve

data sheet

The deflagration volume protection device is ideal for protection of plants and equipment with a volume of max. 4.6 l.

Suitable as a detonation flame arrester ideal for mounting in small pipelines and to protect appliances, for example gas analyzers.

- safety elements: flame arrestor [FA], temperature sensitive cut-off valve [TV]
- every device 100% tested
- PTB tested
- DIN EN ISO 16852 / II G IIC
- designed for short burning with a burning time tBT=4 min
- 25 X 68 mm, 207 g
- inlet and outlet screw connection, housing: stainless steel 1.4305 / AISI 303
- flame arrestor: stainless steel 1.4404 / AISI 316L

connection	inlet → outlet	order no.
detonation and deflagration flame arrestor F53Ndeto: G 1/4" (o-ring FKM)	IG → IG	145-337
detonation and deflagration flame arrestor F53Ndeto: G 1/4" (o-ring FFKM)	IG → IG	145-336

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

ULTRA 10

connections 1/2"

data sheet

product video

Ultra performance protection against gas return: compact, quiet, ideal for low pressure applications

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- according to DIN EN ISO 5175-1 / DIN EN ISO 5175-2
- ultra-low opening pressures (4 mbar), ultra-low pressure drop
- compact and light: 35 X 60 mm, 221 g
- minimal noise emission
- dirt filter (100 µm) on gas inlet
- up to 16 bar

connection	inlet → outlet	order no.
G 1/2 RH	IG → IG	034-004
1/2 " NPT	IG → IG	034-008

design stainless steel 1.4305 (standard):
filter: yes seal o-ring: NBR seal valve: CR

ULTRA 12

connections 1/2"

data sheet

product video

Based on ULTRA 11 - your customized design: multiple combinations of housing and seal materials, with or without filter

- free combination of material for housing (brass, stainless steel, aluminum) and sealing (NBR/CR, FPM/FKM, EPDM/FFKM), with or without filter
- for special requirements e.g. corrosive environments, acetylene, light-weight construction, temperatures above 70 °C/ 158 °F

based on ULTRA 11 including:

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- DIN EN ISO 5175-2
- ultra-low opening pressures (4 mbar), ultra-low pressure drop
- compact and light: 35 X 60 mm, 221 g
- minimal noise emission
- up to 16 bar

connection	inlet → outlet	order no.
G 1/2 RH	IG → IG	034-013

design stainless steel 1.4305 (modular system):
filter: yes seal o-ring: FFKM seal valve: FFKM

other models see Seite 62

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

ULTRA 20

connections 1/2", 3/4", 1"

data sheet

product video

Ultra performance protection against gas return: compact, quiet, ideal for low pressure applications

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- according to DIN EN ISO 5175-1 / DIN EN ISO 5175-2
- ultra-low opening pressures (4 mbar), ultra-low pressure drop
- compact and light: 52 X 67.5 mm, 510 g
- minimal noise emission
- dirt filter (100 µm) on gas inlet
- ideal for applications where low pressures are used e.g. thermal processing, biogas etc.
- up to 16 bar

connection	inlet → outlet	order no.
G 1/2 RH	IG → IG	036-023
G 3/4 RH	IG → IG	036-016
G 1 RH	IG → IG	036-017
1/2" NPT	IG → IG	036-025
3/4" NPT	IG → IG	036-018
1" NPT	IG → IG	036-019

design stainless steel 1.4305 (standard):
filter: yes seal o-ring: NBR seal valve: CR

ULTRA 22

connections 1/2"

data sheet

product video

Based on ULTRA 20 - your customized design: multiple combinations of housing and seal materials, with or without filter

- free combination of material for housing (brass, stainless steel, aluminum) and sealing (NBR/CR, FPM/FKM, EPDM/FFKM), with or without filter
- for special requirements e.g. corrosive environments, acetylene, lightweight construction, temperatures above 70 °C/ 158 °F

based on ULTRA 21 including:

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- DIN EN ISO 5175-2
- ultra-low opening pressures (4 mbar), ultra-low pressure drop
- compact and light: 52 X 67.5 mm, 510 g
- minimal noise emission
- up to 16 bar

connection	inlet → outlet	order no.
G 1/2 RH	IG → IG	036-007

design stainless steel 1.4305 (modular system):
filter: no seal o-ring: EPDM seal valve: EPDM

other models see Seite 64

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

ULTRA 30

connections 1.1/2"

data sheet

product video

Ultra performance protection against gas return: compact, quiet, ideal for low pressure applications

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- according to DIN EN ISO 5175-1 / DIN EN ISO 5175-2
- ultra-low opening pressures (approx. 5 mbar), ultra-low pressure drop
- compact and light: 73.5 X 111 mm, 1.8 kg
- minimal noise emission
- dirt filter (100 µm) on gas inlet
- ideal for applications where low pressures are used
- up to 20 bar

connection	inlet → outlet	order no.
G 1.1/2 RH	IG → IG	033-006
1.1/2" NPT	IG → IG	033-008

design stainless steel 1.4305 (standard):
filter: yes seal o-ring: NBR seal valve: CR

ULTRA 32

connections 1.1/2"

data sheet

product video

Based on ULTRA 30 - your customized design: multiple combinations of housing and seal materials, with or without filter

- free combination of material for housing (brass, stainless steel, aluminum) and sealing (NBR/CR, FPM/FKM, EPDM/FFKM), with or without filter
- for special requirements e.g. corrosive environments, acetylene, light-weight construction, temperatures above 70 °C/ 158 °F

based on ULTRA 31 including:

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- DIN EN ISO 5175-2
- ultra-low opening pressures (approx. 5 mbar), ultra-low pressure drop
- compact and light: 73.5 X 110 mm, 1.8 kg
- minimal noise emission
- up to 20 bar

connection	inlet → outlet	order no.
G 1.1/2 RH	IG → IG	033-010

design stainless steel 1.4305 (modular system):
filter: yes seal o-ring: NBR seal valve: CR

other models see Seite 65

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

ULTRA 40

connections 2.1/2"

data sheet

product video

Ultra performance protection against gas return: compact, quiet, ideal for low pressure applications

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- according to DIN EN ISO 5175-1 / DIN EN ISO 5175-2
- ultra-low opening pressures (approx. 5 mbar), ultra-low pressure drop
- compact and light: 114 X 146 mm, 7.1 kg
- minimal noise emission
- dirt filter (100 µm) on gas inlet
- ideal for applications where low pressures are used
- up to 20 bar

connection	inlet → outlet	order no.
G 2.1/2 RH	IG → IG	035-006
2.1/2" NPT	IG → IG	035-005

design stainless steel 1.4305 (standard):
filter: yes seal o-ring: NBR seal valve: CR

ULTRA 42

connections 2.1/2"

data sheet

product video

Based on ULTRA 40 - your customized design: multiple combinations of housing and seal materials, with or without filter

- free combination of material for housing (brass, stainless steel, aluminum) and sealing (NBR/CR, FPM/FKM, EPDM/FFKM), with or without filter
- for special requirements e.g. corrosive environments, acetylene, light-weight construction, temperatures above 70 °C/ 158 °F

based on ULTRA 41 including:

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- DIN EN ISO 5175-2
- ultra-low opening pressures (approx. 5 mbar), ultra-low pressure drop
- compact and light: 114 X 146 mm, 7.1 kg
- minimal noise emission
- up to 20 bar

connection	inlet → outlet	order no.
G 2.1/2 RH	IG → IG	035-007

design stainless steel 1.4305 (modular system):
filter: yes seal o-ring: FPM seal valve: FKM

other models see Seite 66

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

654-ES

connections 1/8"

data sheet

Non-return valve for the prevention of unintended gas mixtures

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- DIN EN ISO 5175-2
- ultra-low opening pressures (approx. 30 mbar), ultra-low pressure drop
- small and light: 14 X 42 mm, 39 g
- up to 60 bar working pressure (O2: up to 30 bar)
- air max. 130 m^3/h

connection	inlet → outlet	order no.
G 1/8 RH	IG → AG	120403033

NV 100

connections 1/8" up to 3/8"

data sheet

Non-return valve for the prevention of unintended gas mixtures

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- DIN EN ISO 5175-2
- ultra-low opening pressures (approx. 30 mbar), ultra-low pressure drop
- compact and light: 25 X 71-78 mm, 39 g
- up to 25 bar working pressure
- air max. 130 m^3/h

connection	inlet → outlet	order no.
G 1/4 RH	IG → IG	145GRS-009

NV 600H

connections 1/2" up to 1"

data sheet

Non-return valve for the prevention of unintended gas mixtures

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- DIN 8521-2
- ultra-low opening pressures (approx. 250 mbar)
- 52 X 65 mm, 589-745 g
- up to 40 bar working pressure
- air max. 1900 m^3/h

connection	inlet → outlet	order no.
G 1/2 RH	IG → IG	037-064
G 3/4 RH	IG → IG	037-065
G 1 RH	IG → IG	037-048
1" NPT	IG → IG	037-084

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

NV 300

connections 1" up to 1.1/4"

data sheet

Non-return valve for the prevention of unintended gas mixtures, up to 16 bar for use in thermal processing plants, certified to EN 746-2

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- ultra-low opening pressures (approx. 3.5 mbar), ultra-low pressure drops-mall and light: 14 X 42 mm, 39 g
- dirt filter (100 µm) on gas inlet
- up to 16 bar
- air max. 3260 m^3/h

connection	inlet → outlet	order no.
G 1 RH	IG → IG	038-064
G 1.1/4 RH	IG → IG	038-072
1.1/4" NPT	IG → IG	038-061

NV 400

connections 1.1/2" up to DN 80

data sheet NV 400

data sheet intermediate flange design

Non-return valve for the prevention of unintended gas mixtures, up to 16 bar for use in thermal processing plants, certified to EN 746-2

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- DIN EN ISO 5175-2
- ultra-low opening pressures (approx. 3.5 mbar), ultra-low pressure drop
- 90 X 145 mm, 2.789 g
- dirt filter (100 µm) on gas inlet
- up to 16 bar
- air max. 8100 m^3/h

connection	inlet → outlet	order no.
G 1.1/2 RH	IG → IG	038-014
G 2 RH	IG → IG	038-022

intermediate flange-design:

DN40	flange	038S-040ES
DN50	flange	038S-050ES

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

STAINLESS STEEL DEVICES: NON-RETURN VALVES

800-ES

data sheet

connections 1/4"

Non-return valve for the prevention of unintended gas mixtures, up to 16 bar for use in thermal processing plants, certified to EN 746-2

- safety element: non-return valve [NV]
- every non-return valve 100% tested
- also ideal for use with corrosive gases
- small and light: 17.5 X 70 mm, 730 g
- up to 300 bar

connection	inlet → outlet	order no.
1/4" NPT	AG → AG	311-002

For specific needs: gas safety devices in stainless steel

Anyone working with hydrogen, corrosive gases or pure gas requires a material that is especially designed for these conditions: stainless steel. Therefore WITT offers a wide range of stainless steel safety devices.

The latest production technologies, high-quality stainless steel (e.g. 1.4305/AISI 303, 1.4404/AISI 316L, 1.4541/AISI 321) and elastomers as well as a sophisticated quality management system guarantee highest quality. As a matter of course, WITT products fulfill all relevant international standards and norms. For your safety.

Further information on www.wittgas.com and in our „Stainless steel“ brochure.

SV 805-ES

different connections

option: adapter for ventilation pipe

data sheet

Safety Relief Valve for venting excess pressure from receivers, pipelines and other equipment

- spring- loaded, direct-acting safety relief valve
- every safety relief valve 100% tested
- with or without venting adapter
- CE 0045
- certified to PED 2014/68/EC Module H
- set to exactly the opening pressure you specify
- dimensions: 90-148 mm, 260/660 g
- up to 45 bar
- also available as „smart-option“ for connected manufacturing

SV 805-ES	**order no.**
pressure settings:	
> 0.5 ≤ 45 bar	200-_ _ _
with standard connection, stainless steel 1.4541	
with standard connection, stainless steel 316L/1.4404	
with VCR connection, stainless steel 1.4541	
with VCR connection, stainless steel 316L/1.4404	
special sealing compound	
Adapter to connect venting pipes to SV805-ES	
connections M 24x1 AG → 1/2" NPT IG, stainless steel 1.4541	801727800K
connections M 24x1 AG → 1/2" NPT VCR AG, stainless steel 1.4404	801693000K

SV 805A-ES

different connections

with ventilation tool

data sheet

Safety Relief Valve for venting excess pressure from receivers, pipelines and other equipment

- spring- loaded, direct-acting safety relief valve
- every safety relief valve 100% tested
- with venting tool
- CE 0045
- certified to PED 2014/68/EC Module H
- set to exactly the opening pressure you specify
- dimensions: 90-148 mm, 260/660 g
- up to 45 bar

SV 805A-ES	**order no.**
with venting tool, outlet: 1/2 NPT IG	
pressure settings:	
> 0.5 ≤ 45 bar	200A-_ _ _
with standard connection, stainless steel 1.4541	
with VCR connection, stainless steel 1.4541	
special sealing compound	

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

SV 805-ES SMART

data sheet

different connections

Smarte Safety Relief Valve for venting excess pressure from receivers, pipelines and other equipment

- spring- loaded, direct-acting safety relief valve
- optical signal (red/green diode) directly on the valve, indicates the open or closed condition
- digital signal through an NPN / PNP open collector signal
- every safety relief valve 100% tested
- CE-marked according to PED 2014/68/EU
- set to exactly the opening pressure you specify
- dimensions: 90/95 mm
- up to 45 bar

SV 805-ES SMART	**order no.**
pressure settings: > 0.5 ≤ 45 bar	200SMART-_ _ _
with standard connection, stainless steel 316L/1.4404 with VCR connection, stainless steel 316L/1.4404	
signal cable with angled plug (2 m)	850022900
special sealing compound	
Adapter to connect venting pipes to SV805-ES connections M 24x1 AG ⟶ 1/2" NPT VCR AG, stainless steel 1.4404	801693000K

SV 811L

data sheet

different connections

Pressure Relief Valve for hydrogen-powered motor vehicles in accordance with European regulations

- spring- loaded, direct-acting safety relief valve
- every safety relief valve 100% tested
- set to exactly the opening pressure you specify von 4.5 up to 45.0 bar
- in stainless steel 1.4404
- adapter for the connection to ventilation pipe
- option: heavy design (model SV811) up to 1600 bar (burst pressure of housing)
- dimensions: 91 mm, 260 g
- up to 45 bar

SV 811L	**order no.**
pressure settings: > 4.5 ≤ 45 bar div. connections	200AU-L_ _ _ (depending on pressure-setting)
adapter for the connection to ventilation pipe at the outlet on demand	

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

ULTRAVENT 6

connections 1/8"

Safety Relief Valve for venting excess pressure from receivers, pipelines and other equipment - ultra high blow-off performance

- spring-loaded, direct-acting safety relief valve
- flow-optimized valve system for maximum blow-off capacity
- every safety relief valve 100% tested
- TÜV-certification of pressure setting
- tested according to DIN EN ISO 4126-1
- can also be used as a control valve or as a vacuum breaker
- dimensions: 36 x 19 mm
- 5 up to 500 mbar

ULTRAVENT 6
without strainer

ULTRAVENT 6
with strainer

data sheet

ULTRAVENT 6	**order no.**
pressure settings: 5 - 500 mbar	231-_ _ _ (depending on pressure-setting)

options:

strainer at outlet 100 µm (1.4301)	966.172600

individual TÜV approval for the set opening pressure

individual TÜV approval with manufacturer‘s certificate in accordance with DIN EN ISO 4126-1

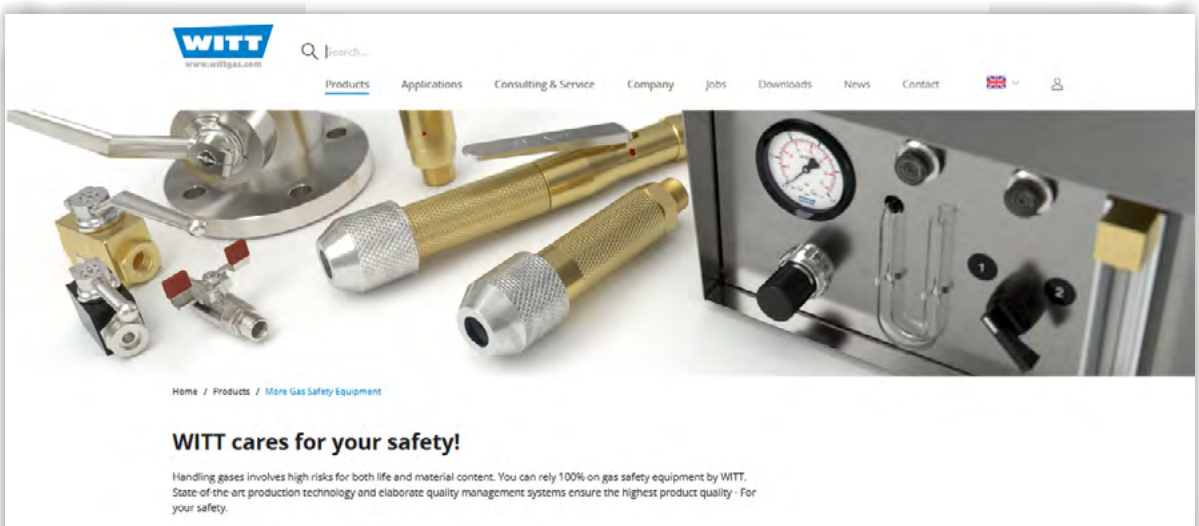
100 µm filter at gas inlet (1.4301)

connections:
G 1/8 RH IG
1/8" NPT IG

The whole world of WITT products and services can be found on our website

In addition to our numerous products, we offer you lots of information on applications, practical examples, advice & service, news, an extensive download area, etc.

Register here for our newsletter so that you don‘t miss anything!



AV 619-ES

connections 1/2" up to 1"

data sheet

Safety Relief Valve for venting excess pressure from receivers, pipelines and other equipment

- spring- loaded, direct-acting safety relief valve
- every safety relief valve 100% tested
- individual TÜV approval for the set opening pressure
- also available with FDA-approved elastomers (USP class VI)
- also ideal for use with corrosive gases
- 52 X 70.5-83.5 mm, 790 g
- 5 up to 500 mbar

pressure settings	**order no.**
5 - 500 mbar	300-_ _ _ (depending on pressure-setting)

stainless steel 1.4305:
connections G1/2, G3/4, G1 RH IG, NPT 1/2, 3/4, 1 IG
flange DN 25 according to DIN 28403

stainless steel 1.4404:
connections G1/2, G3/4, G1 RH IG, NPT 1/2, 3/4, 1 IG

option:
individual TÜV approval for the set opening pressure

AV 919-ES

connections 2", DN 40

data sheet

Safety Relief Valve for venting excess pressure from receivers, pipelines and other equipment

- spring- loaded, direct-acting safety relief valve
- every safety relief valve 100% tested
- individual TÜV approval for the set opening pressure
- set to exactly the opening pressure you specify
- dimensions: 89.5 X 144-170 mm, 1.500 g
- 5 up to 500 mbar

pressure settings	**order no.**
5 - 500 mbar	400-_ _ _ (depending on pressure-setting)

connections:
G 2 RH IG, 2" NPT IG
flange DN 40 according to DIN 28403

option:
individual TÜV approval for the set opening pressure

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

ADR 75

data sheet

up to max. 75 m³/h

Powerful dome pressure regulator for acetylene for the regulation of medium flows on manifolds and bundles

- extremely stable outlet pressure independent of inlet pressure and flow rate
- ideal control of medium flow rates at cylinder batteries or bundle systems
- due to ultra-low pressure loss, the dynamic pressure of the ADR 75 is as close as possible to 1.5 bar
- for optimum emptying of bundle and trailer systems
- BAM type-approval testing according to DIN EN ISO 7291:2021-03 No. 9.4.6
- complies with the requirements of German TRGS 407 Annex 4 Acetylene

connections	inlet pressure	outlet pressure	order no.
G 3/4 IG → G 1 IG	25 bar	1.5 bar	210-018

special version up to 2 bar outlet pressure (on demand)

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

series 737LE

connections 3/4" / Kv value 2.4

data sheet

product video

High-performance dome-loaded pressure regulators. For high and varying flows requiring maximum pressure stability. A complete solution, applicable as a manifold pressure regulator per DIN EN ISO 7291.

- high pressure stability even during flow and temperature fluctuations
- outlet pressure range 0.5-10 bar
- suitable for various technical gases
- ready-to-use
- different mounting parts available (maintenance kit see page 101)
- option: lockable spindle hood against unauthorized adjustment

connections	max. inlet pressure*	outlet pressure	order no.
model 737 LE (brass), without pilot pressure regulator			
G 3/4" IG	60 bar	0.5-10 bar	278-091
model 737 LE/S (brass), set			
G 3/4" IG	60 bar	0.5-10 bar	292-0006
3/4" NPT IG	60 bar	0.5-10 bar	292-0072
model 737 LE (stainless steel), without pilot pressure regulator			
G 3/4" IG	60 bar	0.5-10 bar	278-108
model 737 LE/S (stainless steel), set			
G 3/4" IG	60 bar	0.5-10 bar	292-0046
3/4" NPT IG	60 bar	0.5-10 bar	292-0096

replacement filter stainless steel 100 µm 956.504300

use for EX zone (ATEX)

*depending on gas type

Various installation positions for individual customization

User-friendly and standardised connections tions ensure simple and quick integration into the pipework system.
The installation can be carried out indoors or outdoors.

Your WITT consultant will work with you to configure the necessary adaptations.

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

series 737LE-HD

connections 3/4", 1" / Kv value 1.65 - high pressure model

data sheet

product video

High-performance dome-loaded pressure regulators for installation in pipelines or as manifold pressure regulator per DIN EN ISO 7291. For high and varying flows requiring maximum pressure stability.

- high pressure stability even during flow and temperature fluctuations
- outlet pressure range 0.5-60 bar
- suitable for high pressures at inlet, up to 300 barg
- burn-out safety for O2 up to 200 bar (BAM report AZ 17055507)
- set includes integrated pilot pressure regulator, and stainless steel pressure gauges, completely assembled and tested
- ready-to-use
- inlet: G 3/4", outlet: G 1" IG
- option: lockable spindle hood against unauthorized adjustment
- different mounting parts available (maintenance kit see page 101)
- easy to install and to integrate directly into the process
- 1: 1 interchangeable with the previous version (please specify if desired)

connections	max. inlet pressure*	outlet pressure	order no.
model 737 LE-HD (brass), without pilot pressure regulator			
G 3/4" IG - 1" IG	300 bar	0.5-60 bar	278-116
model 737 LE-HD/S (brass), set			
G 3/4" IG - 1" IG	300 bar	0.5-60 bar	292-0004
3/4" NPT IG - 1" NPT IG	300 bar	0.5-60 bar	292-0069
model 737 LE-HD/S (brass), set - especially for CO2			
G 3/4" IG - 1" IG	100 bar	0.5-26 bar	292-0058
model 737 LE-HD-ES (stainless steel), without pilot pressure regulator			
G 3/4" IG - 1" IG	300 bar	0.5-60 bar	278-117
model 737 LE-HD/S-ES (stainless steel), set (for O2 up to Pv max. 30 bar)			
G 3/4" IG - 1" IG	300 bar	0.5-60 bar	292-0056
3/4" NPT IG - 1" NPT IG	300 bar	0.5-60 bar	292-0114

replacement filter bronze 100 µm 953.000300

use for EX zone (ATEX)

*depending on gas type

Your choice: as complete set or without pilot pressure regulator

WITT dome pressure regulators are available in different versions to meet a wide range of requirements. On our website and in the data sheets you will find a range of information on the variants we have on offer.

If you have any further questions, please do not hesitate to contact us.

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

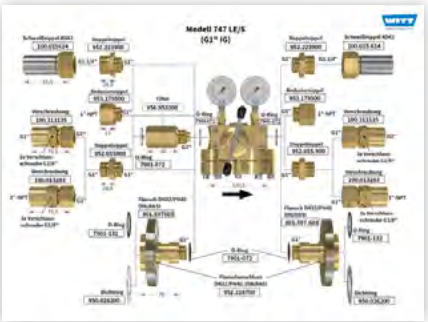
series 747LE

connections 1" / Kv value 3.6

data sheet

product video

overview mounting parts:



High-performance dome-loaded pressure regulators for installation in pipelines or as manifold pressure regulator per DIN EN ISO 7291. For high and varying flows requiring maximum pressure stability.

- high pressure stability even during flow and temperature fluctuations
- outlet pressure range 0.5-30 bar
- ready-to-use
- option: lockable spindle hood against unauthorized adjustment
- set includes integrated pilot pressure regulator, and stainless steel pressure gauges, completely assembled and tested
- easy to install and to integrate directly into the process
-
- also as a SMART model for connected manufacturing

connections	max. inlet pressure*	outlet pressure	order no.
model 747 LE (brass), without pilot pressure regulator			
G 1" IG	40 bar	0.5-30 bar	278-088
model 747 LE/S (brass), set			
G 1" IG	40 bar	0.5-10 bar	292-0002
G 1" IG	40 bar	0.5-30 bar	292-0009
1" NPT IG	40 bar	0.5-10 bar	292-0102
1" NPT IG	40 bar	0.5-30 bar	292-0031
mounting parts (brass):			
O-ring			7901-026
gas filter			956.953200
flange connection DIN DN32/PN40 (O-ring seal)			952.218700
flange DIN DN32/PN40			801.597603
O-ring for flange DN32			7901-132
O-ring for flange G1"			7901-072
gasket for flange			950.026200
double nipple G1" - G 1.1/4"			952.223900
reducing nipple G1" - 1" NPT			953.179500
double nipple G1" - G1"			952.015900
welding nipple AD42 G 1.1/4"	0.015614		
fitting G1" - G1"	0.313135		
fitting G1" - 1" NPT	0.013283		
model 747 LE-ES (stainless steel), without pilot pressure regulator			
G 1" IG	40 bar	0.5-30 bar	278-099
model 747 LE/S-ES (stainless steel), set			
G 1" IG	40 bar	0.5-10 bar	292-0027
G 1" IG	40 bar	0.5-30 bar	292-0028
1" NPT IG	40 bar	0.5-10 bar	292-0068
1" NPT IG	40 bar	0.5-30 bar	292-0109

stainless steel mounting parts on demand

use for EX zone (ATEX)

*depending on gas type

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

747LE/S SMART

connections 1" / Kv value 3.6

High performance dome-loaded pressure regulator set for inline installation, combined with high-tech sensor technology and electronic components.

- signaling of inlet, outlet and pilot pressure
- signaling of inlet and outlet temperature
- indication of the instantaneous gas flow rate
- digital display (optional)
- ideal for connected manufacturing

All models of the 747LE/S dome pressure regulator are available as Smart models.

Smart model variations

„Standard“
Display, indication of inlet pressure and temperature as well as outlet pressure and temperature

„Standard + P3“
„Standard“ features, plus indication of pilot pressure

„Standard + Flow“
„Standard“ features, plus indication of flow rate

„Standard + P3 + Flow“
„Standard“ features, plus indication of pilot pressure and flow rate

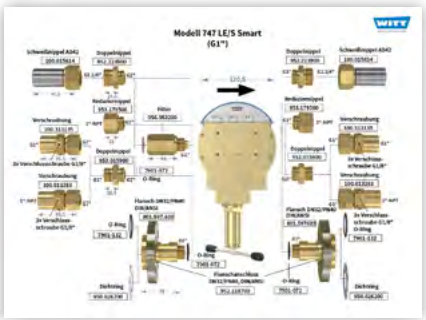
signal cable (5 m) order no. 803.172800
(3 cables are required to operate the device)

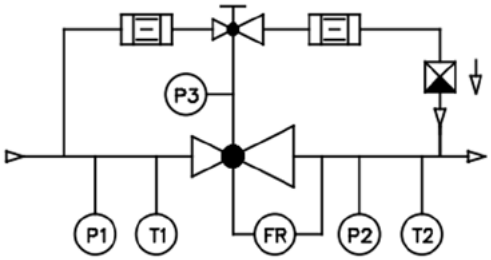
for mounting parts, options and maintenance kit see model 747LE/S Brass

data sheet

product video

overview mounting parts:





P1 - inlet pressure
T1 - inlet temperature
P2 - outlet pressure
T2 - outlet temperature
P3 - pilot pressure
FR - flow rate

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

series 757LE

connections 2", flange DN50 / Kv value 15

High-performance dome-loaded pressure regulators for installation in pipelines or as manifold pressure regulator per DIN EN ISO 7291. For high and varying flows requiring maximum pressure stability.

- high pressure stability even during flow and temperature fluctuations
- outlet pressure range 0.5-30 bar
- ready-to-use
- option: lockable spindle hood against unauthorized adjustment
- set includes integrated pilot pressure regulator, and stainless steel pressure gauges, completely assembled and tested
- easy to install and to integrate directly into the process
- different mounting parts available (maintenance kit see page 101)
- also as a SMART model for connected manufacturing

connections	max. inlet pressure*	outlet pressure	order no.
model 757 LE (brass), without pilot pressure regulator			
G 2" IG	40 bar	0.5-30 bar	278-089
model 757 LE/S (brass), set			
flange DIN DN 50	40 bar	0.5-10 bar	292-0017
flange DIN DN 50	40 bar	0.5-30 bar	292-0018
G 2" IG	40 bar	0.5-10 bar	292-0003
G 2" IG	40 bar	0.5-30 bar	292-0010
2" NPT IG	40 bar	0.5-10 bar	292-0022
2" NPT IG	40 bar	0.5-30 bar	292-0021
mounting parts (brass):			
O-ring for flange G2"			7901-135
reducing nipple G2" - 2" NPT			952.217000
flange connection DIN DN50/PN40 (O-ring seal)			952.211000
flange DIN DN50/PN40			801.597803
O-ring for flange DN50			7901-130
gasket for flange			950.010300
flange gas filter DIN DN50/PN40			956.923800
model 757 LE-ES (stainless steel), without pilot pressure regulator			
G 2" IG	40 bar	0.5-30 bar	278-097
model 757 LE/S-ES (stainless steel), set			
flange DIN DN 50	40 bar	0.5-10 bar	292-0037
flange DIN DN 50	40 bar	0.5-30 bar	292-____
G 2" IG	40 bar	0.5-10 bar	292-0019
G 2" IG	40 bar	0.5-30 bar	292-0122
2" NPT IG	40 bar	0.5-10 bar	292-0061
2" NPT IG	40 bar	0.5-30 bar	292-0026

stainless steel mounting parts on demand

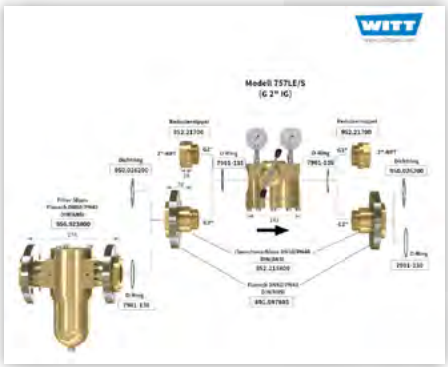
use for EX zone (ATEX)

*depending on gas type

data sheet

product video

overview mounting parts:

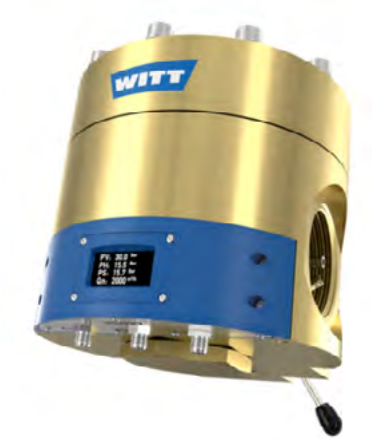


Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

757LE/S SMART

connections 2", flange DN50 / Kv value 15



High performance dome-loaded pressure regulator set for inline installation, combined with high-tech sensor technology and electronic components.

- signaling of inlet, outlet and pilot pressure
- signaling of inlet and outlet temperature
- indication of the instantaneous gas flow rate
- digital display (optional)
- ideal for connected manufacturing

All models of the 757LE/S dome pressure regulator are available as Smart models.

Smart model variations

„Standard“
Display, indication of inlet pressure and temperature as well as outlet pressure and temperature

„Standard + P3“
„Standard“ features, plus indication of pilot pressure

„Standard + Flow“
„Standard“ features, plus indication of flow rate

„Standard + P3 + Flow“
„Standard“ features, plus indication of pilot pressure and flow rate

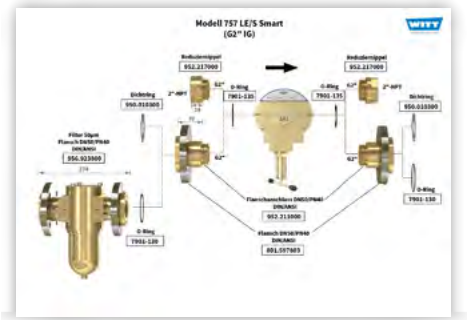
signal cable (5 m) order no. 803.172800
(3 cables are required to operate the device)

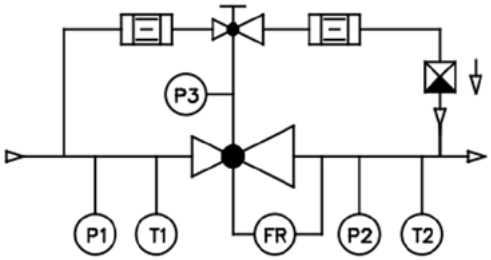
for mounting parts, options and maintenance kit see model 757LE/S Brass

data sheet

product video

overview mounting parts:





P1 - inlet pressure
T1 - inlet temperature
P2 - outlet pressure
T2 - outlet temperature
P3 - pilot pressure
FR - flow rate

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

series 767LE

connections 3", flange DN80/100 / Kv value 30

High-performance dome-loaded pressure regulators for installation in pipelines or as manifold pressure regulator per DIN EN ISO 7291. For high and varying flows requiring maximum pressure stability.

- high pressure stability even during flow and temperature fluctuations
- outlet pressure range 0.5-30 bar
- ready-to-use
- option: lockable spindle hood against unauthorized adjustment
- set includes integrated pilot pressure regulator, and stainless steel pressure gauges, completely assembled and tested
- easy to install and to integrate directly into the process
- different mounting parts available (maintenance kit see page 101)
- also as a SMART model for connected manufacturing

connections	max. inlet pressure*	outlet pressure	order no.
model 767 LE (brass), without pilot pressure regulator			
G 3" IG	40 bar	0.5-30 bar	278-090
model 767 LE/S (brass), set			
flange DIN DN 80	40 bar	0.5-10 bar	292-0008
flange DIN DN 80	40 bar	0.5-30 bar	292-0005
flange DIN DN 100	40 bar	0.5-10 bar	292-0013
flange DIN DN 100	40 bar	0.5-30 bar	292-0066
G 3" IG	40 bar	0.5-10 bar	292-0011
G 3" IG	40 bar	0.5-30 bar	292-0012
3" NPT IG	40 bar	0.5-10 bar	292-0108
3" NPT IG	40 bar	0.5-30 bar	292-0302
mounting parts:			
o-ring for flange G3"			7901-098
reducing nipple G3" - 3"NPT			952.222700
flange connection DIN DN80/PN40 (O-ring seal)			953.206800
flange DIN DN80/PN40			801.598003
o-ring for flange DN100			7901-479
flange connection DIN DN100/PN40 (O-ring seal)			953.218400
flange DIN DN100/PN40			802.560503
o-ring for flange DN80			7901-136
gasket for flange DN80			950.015300
model 767 LE-ES (stainless steel), without pilot pressure regulator			
G 3" IG	40 bar	0.5-30 bar	278-___
model 767 LE/S-ES (stainless steel), set			
flange DIN DN 80	40 bar	0.5-10 bar	292-___
flange DIN DN 80	40 bar	0.5-30 bar	292-___
flange DIN DN 100	40 bar	0.5-10 bar	292-___
flange DIN DN 100	40 bar	0.5-30 bar	292-___
G 3" IG	40 bar	0.5-10 bar	292-___
G 3" IG	40 bar	0.5-30 bar	292-___
3" NPT IG	40 bar	0.5-10 bar	292-___
3" NPT IG	40 bar	0.5-30 bar	292-___

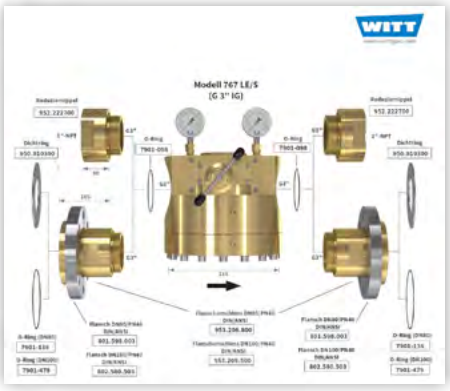
use for EX zone (ATEX)

*depending on gas type

data sheet

product video

overview mounting parts:



Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

767LE/S SMART

connections 3", flange DN80/100 / Kv value 30

High performance dome-loaded pressure regulator set for inline installation, combined with high-tech sensor technology and electronic components.

- signaling of inlet, outlet and pilot pressure
- signaling of inlet and outlet temperature
- indication of the instantaneous gas flow rate
- digital display (optional)
- ideal for connected manufacturing

All models of the 767LE/S dome pressure regulator are available as Smart models.

Smart model variations

„Standard“
Display, indication of inlet pressure and temperature as well as outlet pressure and temperature

„Standard + P3“
„Standard“ features, plus indication of pilot pressure

„Standard + Flow“
„Standard“ features, plus indication of flow rate

„Standard + P3 + Flow“
„Standard“ features, plus indication of pilot pressure and flow rate

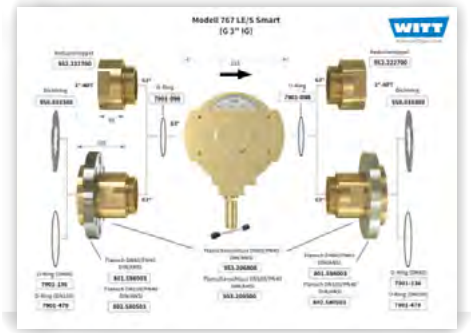
signal cable (5 m) order no. 803.172800
(3 cables are required to operate the device)

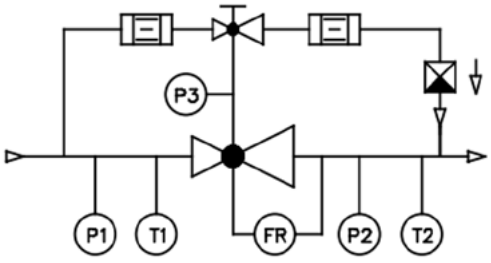
for mounting parts, options and maintenance kit see model 767LE/S Brass

data sheet

product video

overview mounting parts:





P1 - inlet pressure
T1 - inlet temperature
P2 - outlet pressure
T2 - outlet temperature
P3 - pilot pressure
FR - flow rate

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

Backpressure Regulator BPR 2

connections 2"

data sheet

Backpressure regulators are used for process gas supply, in which the pressure must be kept or limited, e.g. for regulating the pressure of gas cushions in tanks

- rapid and accurate monitoring of inlet pressure provides process reliability
- ideal e.g. for pressure regulation from gas cushions in tanks
- operating pressure 0,5 - 20 bar
- available in brass or stainless steel
- ATEX 2014/34/EU with ignition hazard analysis according to EN 1127-1, DIN EN 13463-1 and ZH1/200
- fulfills the requirements of EU Regulations (EC) 1935/2004, and (EC) 2023/2006
- fulfills the requirements of German Food and Feed (LFGB) Law, and is suitable for contact with food gases
- integrated connections for pilot gas and manometer

connections	adjustable upstream pressure	order no.
model BPR 2 (brass)		
G 2" IG	0.5-20 bar	276-001
model BPR 2 -ES (stainless steel)		
G 2" IG	0.5-20 bar	276-002

mounting parts see model 757LE (Seite 97)

Accessories

for models 737LE, 747LE, 757LE, 767LE

lockable spindle cap

maintenance kit

- ockable spindle cap prevents unwanted tempering of the pilot pressure
- maintenance kits: pre-mounted, for maintenance and servicing
- stainless steel wall mounting panels - also suitable for the 757LE/S Smart dome pressure regulator

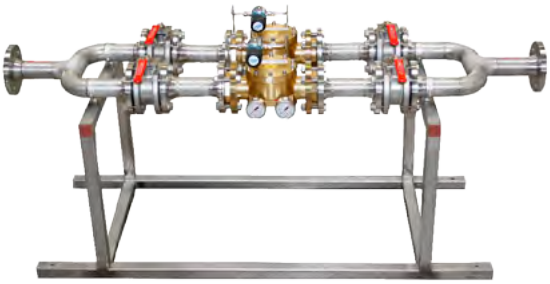
	material	order no.
lockable spindle cap	stainless steel	966061400
maintenance kits:		
for model 737 LE/S	brass	962.000085
for model 737LE-HD/S	brass	962.000084
for model 747 LE/S	brass	962.000067
for model 757 LE/S and 757LE/S Smart	brass	962.000065
for model 767 LE/S	brass	962.000061
for model 737 LE/S-ES	stainless steel*	962.000087
for model 737 LE-HD/S-ES	stainless steel*	962.000088
for model 747 LE/S-ES	stainless steel*	962.000073
for model 757 LE/S-ES	stainless steel*	962.000086
for model 767 LE/S-ES	stainless steel*	962.000116
	* (1.4404)	
wall mounting panels:		
for 737LE, 737LE-HD, 747LE and 757LE	stainless steel	956.248100
for 767LE	stainless steel	956.247700

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

Plant engineering

planning and installation



parallel construction with 757LE/S

757LE/S with flange filter

Individual construction and mounting according to customer requirements

- planning and installation by a WITT specialist
- free of oil and grease
- suitable for oxygen
- tested and ready to use

Individual parallel construction

Example I:
4 ball valves stainless steel DN50/PN40
2 dome pressure regulators 757LE/S
manifold DN50, counter-flange, TÜV-testing, CE labeling
installation on welded mounting frame

Example II:
dome pressure regulator 757LE/S
with flange filter 50 µm filter fineness, for oxygen up to 30 bar
with dirt catcher
delivery completely assembled and tested

More customizations possible, for example central filter, safety valve, other connection sizes, etc.

Suitable for oxygen, tested and ready for use, short delivery time

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

series 722

for flashback arrestors and non-return valves

Test rig for the annual testing of flashback arrestors and non-return valves up to DN 50

- leak-tightness to atmosphere
- non-return valve against low and high back pressure
- operating pressure of pressure sensitive gas cut off valve
- measuring of flow capacities of flashback arrestors

	order no.
test set (test rig 722 + clamp 743)	101000013
test rig 722	101000010
clamp 743	101000012
inspection plates	801412700
measurement liquid 50 ml (U-tube)	956904000
adapters for other connections on demand	

data sheet

product video

WITT - for your safety and peace of mind

Ever increasing legal requirements plus the moral and financial costs of accidents place an even higher onus on safety.

Therefore, each company dealing with technical gases is well advised to make a realistic risk assessment and be sure to be following best practices.
Flashback arrestors and most other components of gas supply (acetylene, O2, other fuel gases, inert gas) should be checked for safety at least annually.

WITT can support you: by providing advice and service as well as suitable test equipment - for your operating and legal certainty.

Talk to us: witt@wittgas.com or tel. 0049-(0)2302-89010

622

for outlet points

data sheet

For reliable protection against contamination by ultrafine filtering of particulates (approx. 40 µm)

- increases service life of downstream fittings and equipment
- high flowrate - for flow optimized design
- filter inserts made of stainless steel
- change of filter possible while installed
- every gas filter 100% tested
- 36 X 71 mm, ca. 40 g

model	connections	order no.
622	G3/8 RH IG - G3/8 LH MG	186-012
622	G3/8 RH IG - G3/8 RH MG	186-011
replacement filter		955003000

77

for pipes

data sheet

For reliable protection against contamination by ultrafine filtering of particulates and moisture (from 0.5 µm)

- increases service life of downstream fittings and equipment
- high flowrate - for flow optimized design
- ilter inserts in bronze (5/50 µm) especially for O2 or in stainless steel (0,5/7/40 µm)
- with condensate drain
- change of filter possible while installed
- every gas filter 100% tested
- 72 X 205 mm, ca. 2.8 kg

model	connections	order no.
77 (ca. 40 µm)	G 3/4 IG	077-001
replacement filter 3-part		FI-077
77 (ca. 10 µm)	G 3/4 IG	077-004
replacement filter 3-part		FI-078
77 (ca. 50 µm)	G 3/4 IG	077-010
BAM tested for oxygen, with bronze filter		
replacement filter bronze 3-part		FI-077B
77 (ca. 5 µm)	G 3/4 IG	077-012
BAM tested for oxygen, with bronze filter		
replacement filter bronze 3-part		FI-077B8
77 (ca. 0.5 µm)	G 3/4 IG	077-016
with stainless steel filter		
replacement filter stainless steel 3-part		FI-079
installation kit enabling active monitoring of filter contamination by means of differential pressure		966.0313

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

625

for very high flow rates

data sheet

Gas filter for filtering out mechanical impurities and condensate in pipelines

- increases service life of downstream fittings and equipment
- high flowrate - for flow optimized design
- filter inserts made of stainless steel (ca. 40 µm)
- with condensate drain
- change of filter possible while installed
- every gas filter 100% tested
- 190 X 385 mm, ca. 12.2/16.7 kg

model	connections	order no.
625	G 1.1/4 AG	042-001
625	flange DN 25	042-007
625	flange DN 32	042-006
625	flange DN 40	042-015
625	flange DN 50	042-016
replacement filter 4-part		FI-625

HD

stainless steel filter

data sheet

HD Gas Filter stainless steel up to 300 bar - for filtering out impurities (30-80 µm), ideal for hydrogen

- increases service life of downstream fittings and equipment
- high flowrate - for flow optimized design
- filter inserts made of chromium-nickel steel
- ideal for hydrogen and many other technical gases
- change of filter possible while installed
- every gas filter 100% tested
- 79 X 175 mm, ca. 2.7 kg

model	connections	order no.
HD (ca. 30 µm)	G 3/4 IG	187-005
HD (ca. 80 µm)	G 3/4 IG	187-004
replacement filter 30 µm		FI-187-30
replacement filter 80 µm		FI-187

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

57

pur filter 3 µm

data sheet

For reliable protection against micro-contamination of gases, e.g. in laboratories or burner supplies in the glass industry (approx. 3 µm)

- increases service life of downstream fittings and equipment
- finest filtering performance eliminates product waste
- high flowrate - for flow optimized design
- corrosion resistant filter insert (approx. 3 µm) stainless steel fibre fleece
- every gas filter 100% tested
- 77 X 60 mm, ca. 678 g

model	connections	order no.
57 - brass, nickel plated	G 3/8 IG - G 3/8 AGS	184007070
57 - stainless steel 1.4404	3/8" NPT - G 3/8 AG	184025250
replacement filter		FI-057

807

pure filter 5 µm

data sheet

For reliable protection against micro-contamination of gases, e.g. in laboratories or burner supplies in the glass industry (approx. 5 µm)

- increases service life of downstream fittings and equipment
- finest filtering performance eliminates product waste
- high flowrate - for flow optimized design
- corrosion resistant filter insert (approx. 5 µm) stainless steel fibre fleece
- every gas filter 100% tested
- 21 X 58 mm, ca. 120 g

model	connection	order no.
807 - brass, nickel plated	1/4" NPT IG	185-002
807 - stainless steel 1.4404	1/4" NPT IG	185-006
replacement filter		956333400

Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

LE6

very high flow rates, DN100 / PN 40

data sheet

For reliable protection against contamination by ultrafine filtering of particulates and moisture (approx. 15 µm), heavy unit for very high flow rates

- designed for Oxygen Service in accordance with EIGA, AIGA and CGA
- downstream equipment performance improvement
- can extend service life and reduce maintenance requirements of downstream equipment
- in-line maintenance, saves time and money
- very high flow rates, with low pressure drop
- ideal in combination with dome pressure regulator 767LE (including with smart-option)
- certainty of safety and functionality - every filter is 100% tested

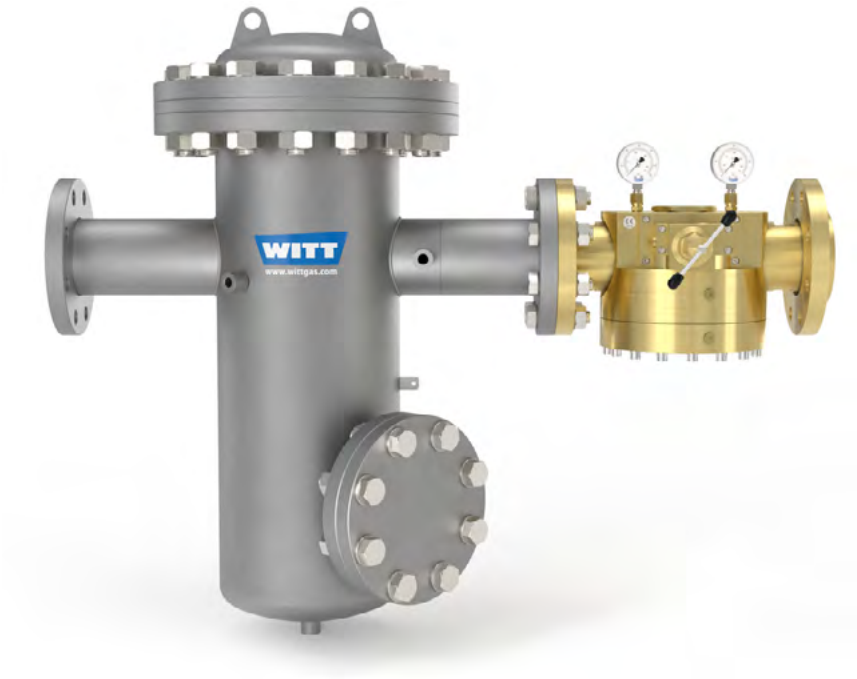
model	connections	order no.
LE6	flange DN 100/PN40 pressure monitoring: G 3/8 IG	078-001
replacement filter		FI-LE6

Our gas filter in a new dimension

Our new gas filter LE6 is the perfect complement to the dome pressure regulator 767LE/S and 767LE/S SMART.

With its 3″ connection and a 15 µm filter fineness, it is suitable for up to 40 bar max. operating overpressure (oxygen 30 bar, CO2 25 bar).

The flow-optimized design enables a high flow rate and thus ensures the process quality of even the largest systems.



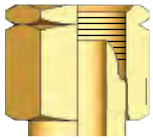
Please specify gas, pressures, temperatures, flows and connections at time of enquiry and order.
For some gases, special seals may be required. Explanations of thread types, conversion of units of measurement see p. 108/109.

04/18/2024

Types of threads

IG -
simple
female thread

AG -
simple
male thread



MG -
female thread with ball head,
metallic self-sealing

AGS -
male thread with
counterbore

Turning of threads: **RH** right-handed **LH** left-handed

Conversion of units of measurement

Pressure	all pressure specifications are in barg 10 bar = 145 psi
Flow	10 m^3/h = 353 scfh
Temperature	°C * 1.8 + 32 = °F
Volume	10 litres = 21 pints / 2.2 gallons
Length	10 mm = 0.3937 inches 1 m = 393.7 inches

04/18/2024

Training

Topics:

- Gas safety equipment
- Gas mixing systems
- Gas analysis systems
- Leak detection systems

The training will be tailored to the knowledge of the attendees, with theory and practical elements as required. By request a test can be held at the end of the training.

Daily rate (per person): Including lunch, excluding hotel accommodation on demand
Location: WITT headquarter in Witten
Minimum attendance: 4 persons
Maximum attendance: 8 persons

Documentation, Certification and Instruction manuals

	order no.
Material Certificate in accordance with DIN EN 10204 - 3.1	998.180000
Manufacturer‘s Certificate in accordance with DIN EN 10204	998.190000
Declaration of Conformity to ATEX	998.440003
Declaration of Conformity to EMV / Low Voltage Directive	998.440004
Declaration of Conformity ‚Pressure Devices‘ (PED)	998.440002
Declaration of Conformity 1935/2004 (food suitability)	998.440006
Printed Operation Manual	998.300011
Declaration of Conformity ‚Pressure Devices‘ (PED) Module G by German TÜV	998.260001
Manufacturer´s Certificate in accordance with DIN EN ISO 22000	998.440005

This catalog supersedes all previous catalogs.
All information given in this catalog is subject to change, and WITT cannot guarantee accuracy.

Warranty Information

This equipment is sold by WITT GAS CONTROLS LP, under the warranties set forth in the following paragraphs. Such warranties are extended only with respect to the purchase of this equipment directly from WITT GAS CONTROLS LP or its Authorized Distributors as new merchandise and are extended to the first Buyer thereof other than for the purpose of resale.

For a period of one (1) year from the date of original delivery (90 days in corrosive environment or gas service) to Buyer or to Buyer's order, this equipment is warranted to be free from functional defects in materials and workmanship and to conform to the description of this equipment contained in this manual and any accompanying labels and/or inserts, provided that the same is properly operated under conditions of normal use and that regular periodic maintenance and service is performed or replacements made in accordance with the instructions provided. The foregoing warranties shall not apply if the equipment has been repaired: other than by WITT GAS CONTROLS LP or a designated service facility or in accordance with written instructions provided by WITT GAS CONTROLS LP or altered by anyone other than WITT GAS CONTROLS LP, or if the equipment has been subject to abuse, misuse, negligence, or accident.
WITT GAS CONTROLS LP's sole and exclusive obligation and Buyer's sole and exclusive remedy under the above warranties is limited to repairing or replacing, free of charge, at WITT GAS CONTROLS LP's option, the equipment or part, which is reported to its Authorized Distributor from whom purchased, and which if so advised, is returned with a statement of the observed deficiency and proof of purchase of equipment or part not later than seven (7) days after the expiration date of the applicable warranty, to the nearest designated service facility during normal business hours, transportation charges prepaid, and which upon examination, is found not to comply with the above warranties. Return trip transportation charges for the equipment or part shall be paid by Buyer.

WITT GAS CONTROLS LP SHALL NOT BE OTHERWISE LIABLE FOR ANY DAMAGES INCLUDING BUT NOT LIMITED TO: INCIDENTAL DAMAGES, CONSEQUENTIAL DAMAGES, OR SPECIAL DAMAGES, WHETHER SUCH DAMAGES RESULT FROM NEGLIGENCE, BREACH OF WARRANTY OR OTHERWISE.

THERE ARE NO EXPRESS OR IMPLIED WARRANTIES WHICH EXTEND BEYOND THE WARRANTIES HEREINABOVE

Standard Terms and Conditions

1. All items are sold FOB Place of origin (Roswell, Georgia).
"FOB shipping point" or "FOB Place of origin" means the buyer is at risk and takes ownership of goods once the seller ships the goods. Customer pays all transportation fees from Roswell, GA. For international shipments, customer is also responsible for all customs and related fees and must supply either a UPS or FedEx account number (and associated billing zip code for UPS and FedEx accounts). Witt does not accept requests for DHL or other non-UPS or FedEx accounts.

2. Prices are per the latest published price list, currently for year 2023. All prices are subject to change without notice, and orders will be billed at the prices in effect at the time of shipment. Items not in the price list are quoted upon demand.

3. Payment terms are Net 30 (for approved customers only; subject to credit check). Net 30 terms are subject to credit approval for each order, even when terms were previously granted. Service charges of 3% will be applied to past-due accounts. Payments may be made in US dollars via ACH or check. Credit card payments and wire transfers are accepted only after the applicable processing fee is added to the invoice.

4. Drop shipment orders will incur an additional fee of 10% of the order or $75.00, whichever is greater.

5. Minimum Billing: $500.00 per order at net prices. Prepaid (PAY IN ADVANCE) orders minimum: $250.00.

6. Warranty on all products is one year from date of sale. Except for items used in corrosive application or environments , 90 days warranty on these items. Consumable items are not under warranty.

7. Returned Goods: to be eligible for credit, goods returned to Roswell, GA, must comply with the following requirements:
   a. Removal of product from original packaging constitutes final sale and product is considered used. Due to the nature of application of this product type, no product can be accepted for return or credit once it has been determined that the item has been used.
   b. The product(s) must be listed in the current price sheet and must have been purchased within the last 12 months.
   c. The reason for the return must be clearly stated at the time of the request for return materials authorization (RMA).
   d. An offsetting order of equal dollar value or more must accompany the returned product(s).
   e. Transportation charges for the returned product(s) must be prepaid, or the return will not be accepted. Returned goods accepted for credit are subject to a minimum 35% handling charge or $35.00, whichever is greater. In addition, a reconditioning and repackaging fee, if necessary, will be charged.
   f. No “made to order” or custom-made products are eligible for credit return. This includes gas mixers, gas analyzers and other custom-made, non-catalog products.
   g. Cancelled orders will incur a 35% fee for in stock items, order must be cancelled prior to shipment. For non-stock or made to order items 50% fee for non-stock and 75% fee for made to order items will apply.

8. WITT GAS CONTROLS LP reserves the right to issue credit on returned goods at purchase price or current price, whichever is lower.

9. All in-stock orders will ship within 24 hours (or next business day) upon receipt of a customer order in which all billing, shipping and other information required to process the order has been provided by the customer and approved for processing.

10. Same-day shipping of small parcel items only is available for in-stock items upon demand for an additional $35.00 per order/package. This guarantees same-day shipment of up to five items for orders placed and approved by 3:00 PM EST. For credit card orders, complete billing information and authorization must be provided by 1:30 PM EST to allow for transaction processing. Customer must supply either a UPS or FedEx account number (and associated billing zip code for UPS accounts). WITT GAS CONTROLS is not responsible for carrier delays or damage incurred during transport.

[Ver. 1/1/2024]

WITT SUPPORT MATERIAL - OVERVIEW

Brochures

Central gas supply

Stainless steel devices

Dome pressure regulators

Safety relief valves

Non-return Valves ULTRA

Overview MAP-portfolio

Gas analysis

Leak detection

MAP for fruit and vegetables

Overview gas mixers

Synthetic-air gas mixer

You can find our brochures and a lot of other information material in the download area of our website.

Videos Gas Control Equipment

Gas Mixers BM-2M

Gas Mixers MM-Flex

Gas Mixers MG FIX / FLEX

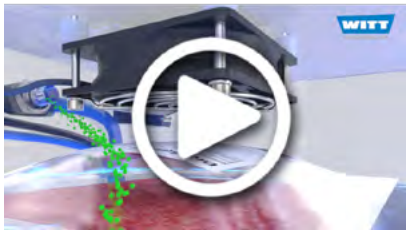
Gas mixers KM-MEM

Gas mixers KM-MEM+

Gas mixers series KM- and MG-

Gas Mixers KM-M

CO_2 Leak detection
LEAK-MASTER® PRO2



Inline leak detection
LEAK-MASTER® MAPMAX

Leak detection based on water
LEAK-MASTER® EASY

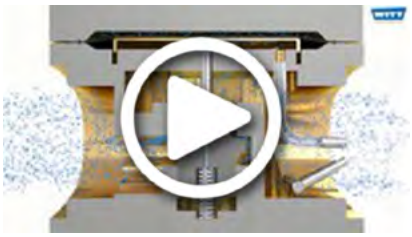
Gas analyzer OXYBABY® 6.0

Gas analyzer OXYPAD

Videos Gas Safety Devices

Quick couplings

Dome Pressure Regulators



Flashback arrestors

Test rig for valves

Non-return Valves ULTRA

Other Videos

Modified Atmosphere Packaging
Part 1 - basics

Modified Atmosphere Packaging
Part 2 - system components

More videos are in preparation.

Subscribe to never miss a new video: **WITT-YouTube channel**

OUR PRODUCT RANGE

GAS CONTROL EQUIPMENT
Gas mixing systems
Gas metering systems
Gas analyzers
Leak detection systems
Gas pressure vessels
Engineering of customized systems

GAS SAFETY EQUIPMENT
Flashback arrestors
Non-return valves
Quick couplings
Safety valves
Stainless steel devices
Gas filters
Pressure regulators
Lance holders
Ball valves
Automatic hose reels
Test equipment
Accessories
Customized safety devices

www.wittgas.com

/ TECHNOLOGY FOR GASES /

Headquarters

WITT-Gasetechnik GmbH & Co. KG
Salinger Feld 4-8
58454 Witten
Germany
Tel. +49 (0)2302 8901- 0

Factory 2
Salinger Feld 51
58454 Witten
Germany
www.wittgas.com
witt@wittgas.com

Please contact us for partners in your country.

Subsidiaries

Gustus & Partner GmbH
Installation – Service – Wartung
Alt Salbke 6–10, Geb. 59
39122 Magdeburg
Germany
Tel. +49 (0)391 4015246
gustus@wittgas.com

WITT Tecnologìa de gas España
C/ Simon Cabarga Nº 2a - Bajo
39005 Santander, Cantabria
España
Tel. +34 942 835142
witt-espana@wittgas.com

WITT France S.A.R.L.
131 Voie de Compiègne
91390 Morsang sur Orge
France
Tel. +33 (0)160 151779
witt-france@wittgas.com

WITT Gas Techniques Ltd.
Unit 7 Burtonwood Industrial Estate
Phipps Lane, Burtonwood
Warrington, Cheshire
WA5 4HX
Great Britain
Tel. +44 (0)1925-234466
witt-uk@wittgas.com

WITT GAS INDIA PVT. LTD.
855/N, Upen Banerjee Road
Kolkata 700060
West Bengal
India
Tel. +91 9831319810
witt-india@wittgas.com

WITT Italia Srl.
Via Giovanni XXIII, 18
24030 Solza (BG)
Italia
Tel. +39 035 4933273
witt-italia@wittgas.com

WITT Polska Sp.z.o.o.
Ul. Bulwar Dedala 16a
54-130 Wrocław
Polska
Tel. +48 (0)71 3522856
witt-polska@wittgas.com

WITT Gas Controls LP
1055 Windward Ridge Parkway
Suite 170
Alpharetta, Georgia 30005
USA