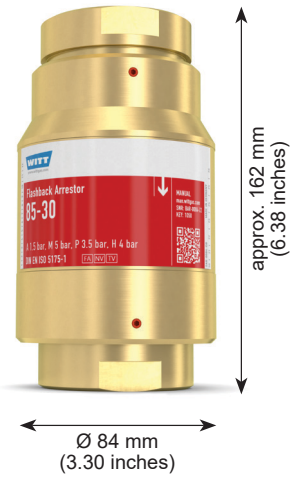
FLASHBACK ARRESTOR 85-30

www.wittgas.com



WITT Flashback Arrestors for reliable protection against dangerous reverse gas flow and flashbacks according to DIN EN ISO 5175-1. Every Arrestor 100% tested.

The best Flashback Arrestors in the world

- a large surface area flame arrestor FA of stainless steel construction extinguishes any dangerous flashback
- a temperature sensitive cut-off valve TV extinguishes sustained flashbacks long before the internal temperature of the arrestor reaches a dangerous level
- a spring loaded non-return valve NV prevents slow or sudden reverse gas flow from forming explosive mixtures in the gas supply
- a filter at the gas inlet protects the arrestor against dirt contamination, extending the service life

Operation / Usage

- Flashback Arrestors are used to protect gas cylinders and pipeline outlet points (hoses and any equipment) against dangerous reverse gas flow and flashbacks
- for pipeline outlets and single cylinders with high flows, for example, supply units for gas cutting machines
- WITT Flashback Arrestors may be mounted in any position/orientation
- only one piece of equipment may be connected to a single Flashback Arrestor
- the maximum ambient/working temperature is 140°F

Maintenance

- annual testing of the non-return valve, body leak tightness and flow capacity is recommended
- WITT is happy to supply special test equipment
- Flashback Arrestors are only to be serviced by the manufacturer; the dirt filter may be replaced by competent staff

Approvals

Company certified according to ISO 9001

Designed for Oxygen Service in accordance with EIGA 13/20, CGA G-4.4 and AIGA 021/20: Oxygen Pipeline and Piping Systems

Cleaned for Oxygen Service in accordance with EIGA 33/18, CGA G-4.1 and AIGA 012/19: Cleaning of Equipment for Oxygen Service

Other connections available upon request

Safety devices	Model 85-30			
Flame arrestor FA	✔			✔
Non-return valve NV	✔			✔
Temperature sensitive cut-off valve TV	✔			✔
Weight [oz]	approx. 162			
Material	Brass (housing); Stainless steel (flame arrestor); Elastomer (seal)			
Gases	max. working pressure [PSI]			
Acetylene (A)	–	–	–	22
Town gas (C)	–	73	–	–
Natural gas (M)	73	73	–	–
LPG (P)	51	51	–	–
Hydrogen (H)	58	58	–	–
Ethylene (E)	58	58	–	–
Oxygen (O)	363	–	363	–
Compressed air (D)	363	–	363	–
Connections	Part No.			
1/2″ NPT F	147-083	–	–	147-119
3/4″ NPT F	147-081	–	–	147-120
1″ NPT F	147-072	–	–	147-121
G 1.1/2 RH F	147-069	–	–	147-116
G 3/4 LH	–	147-001	–	147-117
G 1 LH	–	147-003	–	147-118
G 3/4 RH	–	–	147-065	–
G 1 RH	–	–	147-068	–

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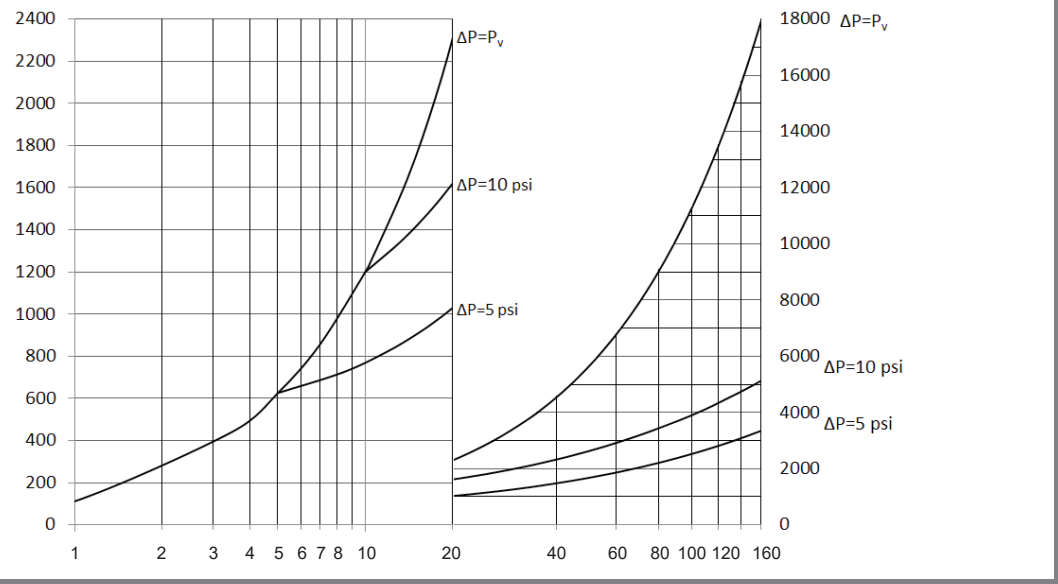
Conversion factors:

Acetylene	x 1.04
Butane	x 0.68
Natural Gas	x 1.25
Methane	x 1.33
LP (Propane)	x 0.80
Oxygen	x 0.95
Hydrogen	x 3.75
MPS	x 0.83

Flow diagram for air (68°F)



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