

# DECOMPOSITION ARRESTOR MGN

## safety device



**WITT Decomposition Arrestors for reliable protection against decomposition of acetylene up to 363 PSI.**  
**Every Arrestor 100% tested.**

### Benefits

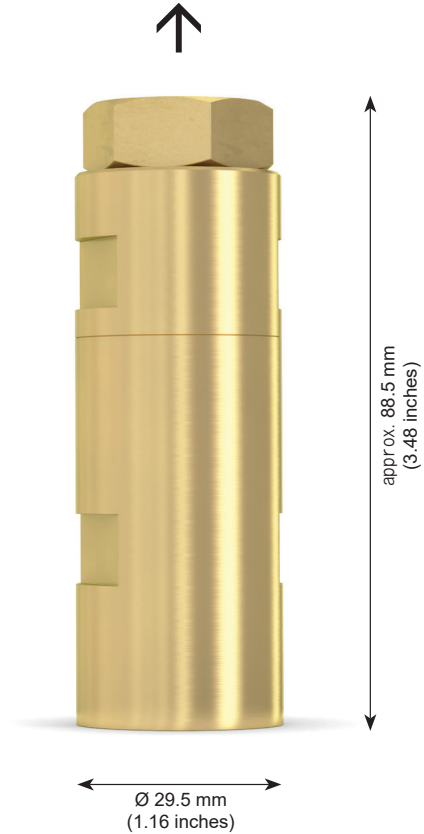
- meets the requirements according to TRAC 207, clause 8.1 "Decomposition Arrestors in acetylene plants" and EN ISO 15615:2002, clause 6.4 "acetylene decomposition test".  
 Conformity to the Code of practice (EIGA acetylene IGC Doc 123/04)
- single test from BAM
- protect from accidents during filling of acetylene gas cylinders
- a large surface area flame arrestor [FA] of stainless steel construction:
  - stop dangerous decomposition of acetylene both-sided or only from one-side depending on version (see table)
- a spring loaded non-return valve [NV] prevents slow or sudden reverse gas flow forming explosive mixtures in the gas supply (option)
  - opening pressure approx. 0.87 PSI

### Operation / Usage

- as a Decomposition Arrestor for acetylene in high pressure pipe-lines for protection from filling equipment
- WITT Decomposition Arrestors may be mounted in any position / orientation
- the maximum ambient / working temperature is 140°F

### Maintenance

- it is recommended that an annual body leakage test is performed
- Decomposition Arrestors are only to be serviced by the manufacturer



Example: Model 022-010

### Approvals

Company certified according to ISO 9001 and PED 2014/68/EU Module H

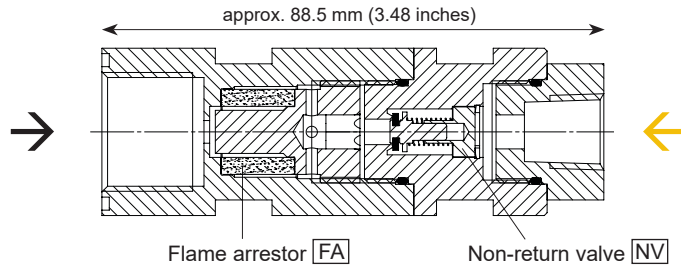
Max. working pressure [PSI]	Housing-Material	Seal-Material	FA	NV	Weight [oz]	Inlet [inch]	Outlet [inch]	Part No.	Decomposition	
									one side	both side
Acetylene (A) 363	Brass	EPDM	X	X	13.83	G 1/2 RH F	1/4" NPT F	022-010	X	-
			X	X	12.56	G 1/4 RH M with cone	G 1/4 F	022-011	X	-
			X	X	14.53	1/4" NPT F	1/4" NPT F	022-015	X	-
			X	-	13.58	G 1/2 RH M	W21.8x1/14 M	022-014	X	-
			X	-	13.83	5/8LH NEN 3268 Nr. 8	1/8" NPT F	022-002	X	-
			X	-	13.83	M24x1 M	1/4" NPT F	022-013	-	X

Other connections available upon request

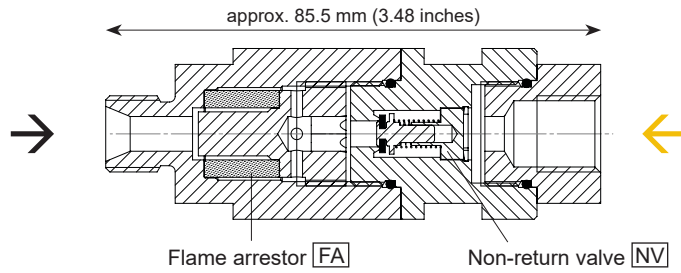
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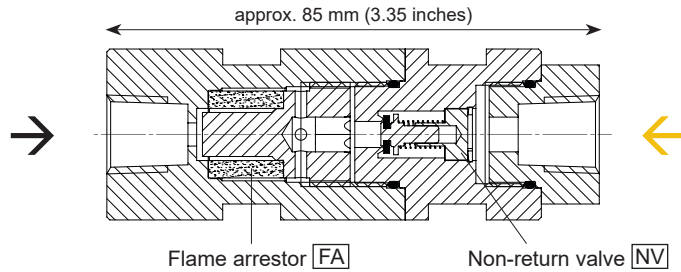
022-010



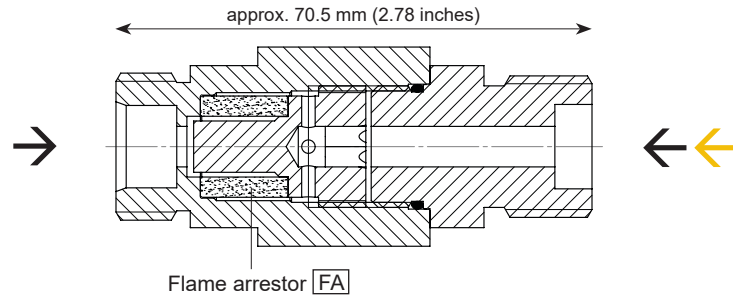
022-011



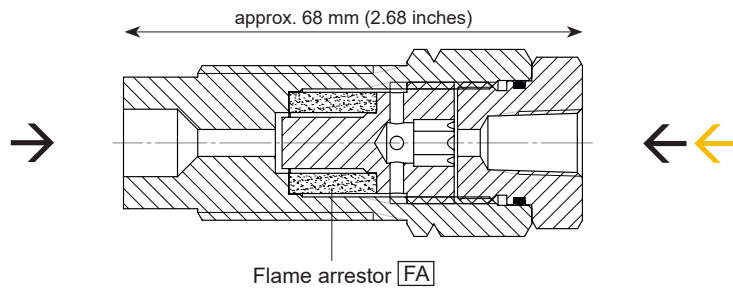
022-015



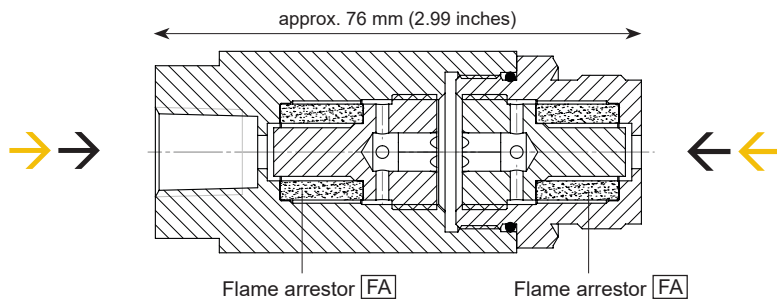
022-014



022-002



022-013



→ flow direction

→ acetylene decomposition (stops C<sub>2</sub>H<sub>2</sub> decomposition from this direction)

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022-011

Conversion factors:  
Acetylene x 1.04

