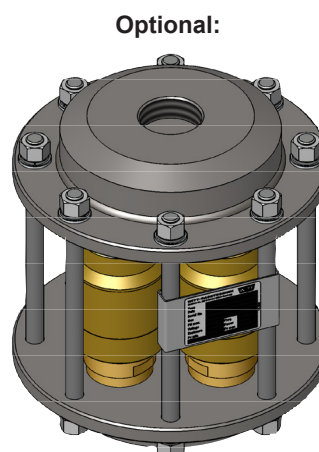


Parallel connection from 2, 4 or 5
Flashback Arrestors model 85-30



WITT Safety groups for reliable protection against dangerous reverse gas flow and flashbacks according to DIN EN ISO 5175-1.

For applications with high flow rates.

Every safety group 100% tested.

Benefits

- 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 arrestors reaches a dangerous level
- a spring loaded non-return valve [NV] prevents slow or sudden reverse gas flow forming explosive mixtures in the gas supply

Operation / Usage

- in central gas supplies (behind the manifold pressure regulator or in a pipeline system)
- in thermal processing systems according to EN 746-2 (cutting machines, furnace supply equipment)
- WITT safety groups may be mounted in any position / orientation in pipelines / supply pipes

- the maximum ambient / working temperature is 140°F

Maintenance

- annual testing of the non-return valve, body leak tightness and flow capacity is recommended
- safety groups are only to be serviced by the manufacturer

Options

- connection: two-sided female thread (G-; NPT-; RC-thread)

Approvals

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

CE-marked according to:

- PED 2014/68/EU

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

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

Model	Max. working pressure [PSI]	Material	Weight [oz]	Length [inch]	Connection flange PN 40, DIN 2633	Order-No.
645 5-fold (5 x 85-30)	Acetylene (A) 22	Steel (stainless steel) Brass Elastomer	2 399	approx. 17.32	DN 50	upon request
	Town gas (C)					upon request
	Natural gas (M)					
	LPG (P)					
	Hydrogen (H)					
	Ethylene (E)					
645 4-fold (4 x 85-30)	Oxygen (O) 145		1 870	approx. 17.32	DN 50	182-054
	Acetylene (A) 22					182-007
	Town gas (C)					
	Natural gas (M)					
	LPG (P)					
	Hydrogen (H)					
	Ethylene (E)		1 870	approx. 17.32	DN 50	upon request
	Oxygen (O) 232					

Other connections and pressures available upon request

Model	Max. working pressure [PSI]	Material	Weight [oz]	Length [inch]	Connection flange PN 40, DIN 2633	Order-No.
645 2- fold (2 x 85-30)	Acetylene (A) 22	Steel (stainless steel) Brass Elastomer	1 552	approx. 17.32	DN 50	182-055
	Town gas (C)					182-023
	Natural gas (M) 73					
	LPG (P) 51					
	Hydrogen (H) 58					
	Ethylene (E) 58					
	Oxygen (O) 145		1 552	approx. 17.32	DN 50	upon request
	Oxygen (O) 232					

Other connections available upon request

Note:

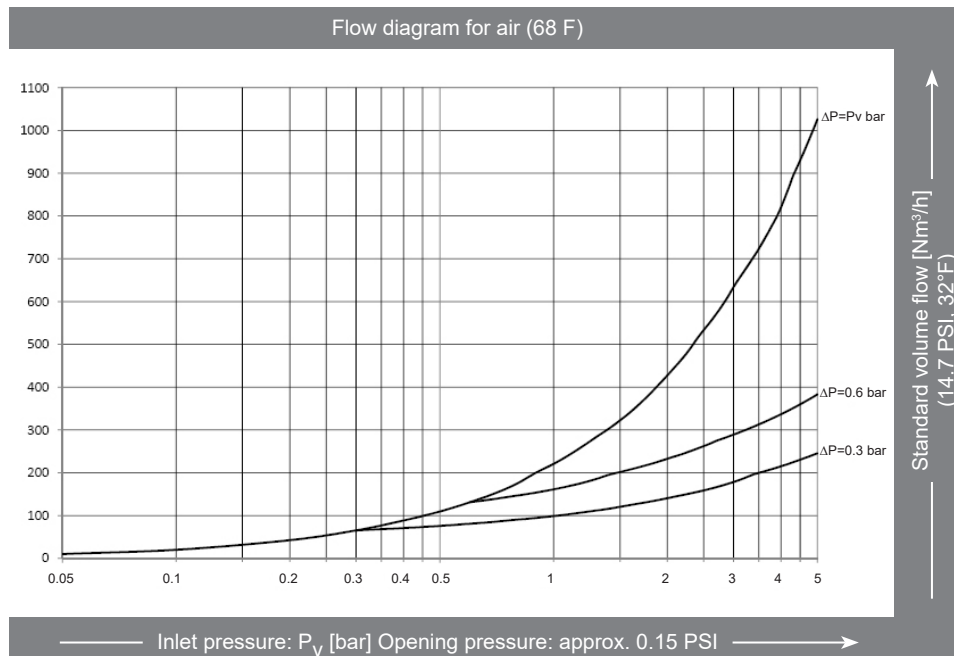
All flow rates are reduced approx. 50% at the 2- fold models

645

(4 x 85-30) 182-007

Conversion factors:

Acetylene	x 1.04
Butane	x 0.68
Natural Gas	x 1.25
Ethylene	x 1.02
Methane	x 1.33
Propane	x 0.80
Oxygen	x 0.95
Town gas	x 1.54
Hydrogen	x 3.75



645

(4 x 85-30) 182-008

