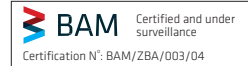


WITT RF Flashback Arrestors for reliable protection against dangerous reverse gas flow and flashbacks according to DIN EN ISO 5175-1. Every Arrestor 100% tested.



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 arrestors 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
- a pressure relief valve vents excessive pressure and soot into the atmosphere, protecting the hose from bursting and the flame arrestor from clogging up, thus maintaining the flow rate (only RF53DN)

- for torches or burners with high flow: Model RF53NU
- for cutting machines with high flow: Model RF53U
- 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 70 °C / 158 °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

Operation / Usage

- RF 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: Models RF53N, RF53DN and RF53NSK

Approvals

Company certified according to ISO 9001
 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

Safety devices	Model				
	RF53N	RF53DN	RF53NSK	RF53NU	RF53U
Flame arrestor [FA]	✓	✓	✓	✓	✓
Non-return valve [NV]	✓	✓	✓	✓	✓
Temperature sensitive cut-off valve [TV]	✓	✓	✓	✓	-
Pressure relief valve	-	✓	-	-	-
Weight [g]	191	260	248	191	191
Certification BAM	BAM/ZBA/003/04			-	-
Material	Housing – Brass; Flame arrestor – Stainless steel; Seal - Elastomer				

FLASHBACK ARRESTORS



	Model				
	RF53N	RF53DN	RF53NSK	RF53NU*	RF53U*
Gases	max. working pressure [bar]				
Acetylene (A)	1.5	1.5	1.5	1.5	1.5
Town gas (C)*	5.0	5.0	5.0	5.0	5.0
Natural gas (M)**	5.0	5.0	5.0	5.0	5.0
LPG (P)**	5.0	3.0	5.0	5.0	5.0
Hydrogen (H)	3.0	3.0	3.0	3.0	2.0
Connections	Order-No.				
G 1/4 LH	145-009	–	–	–	–
G 3/8 LH	145-012	145-041	145SK-002	145-034	145-003
G 1/2 LH	145-016	145-043	–	145-035	–

	Model				
	RF53N	RF53DN	RF53NSK	RF53NU*	RF53U*
Gases	max. working pressure [bar]				
Oxygen (O)	25.0	10.0	20.0	25.0	25.0
Compressed air (D)	25.0	10.0	20.0	25.0	25.0
Connections	Order-No.				
G 1/4 RH	145-021	145-048	145SK-008***	145-036	145-004
G 3/8 RH	145-022	145-049	145SK-001***	145-037	145-005
G 1/2 RH	145-023	145-050	–	145-038	145-006

* no Certification BAM

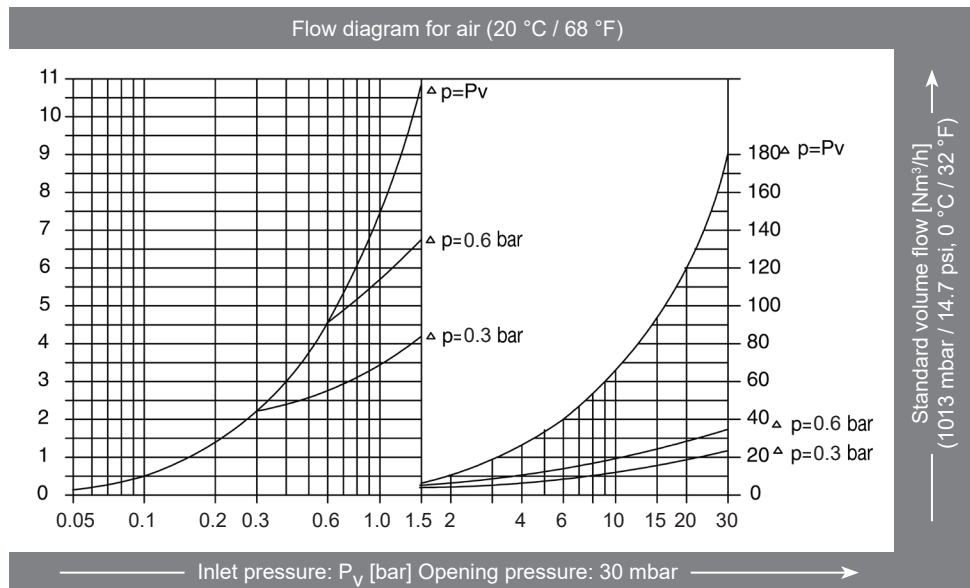
** LPG „based on test with Propan“

***RF53NSK with coupling body according to EN 561
– for coupling probes SK100

Natural gas „based on test with Methane“

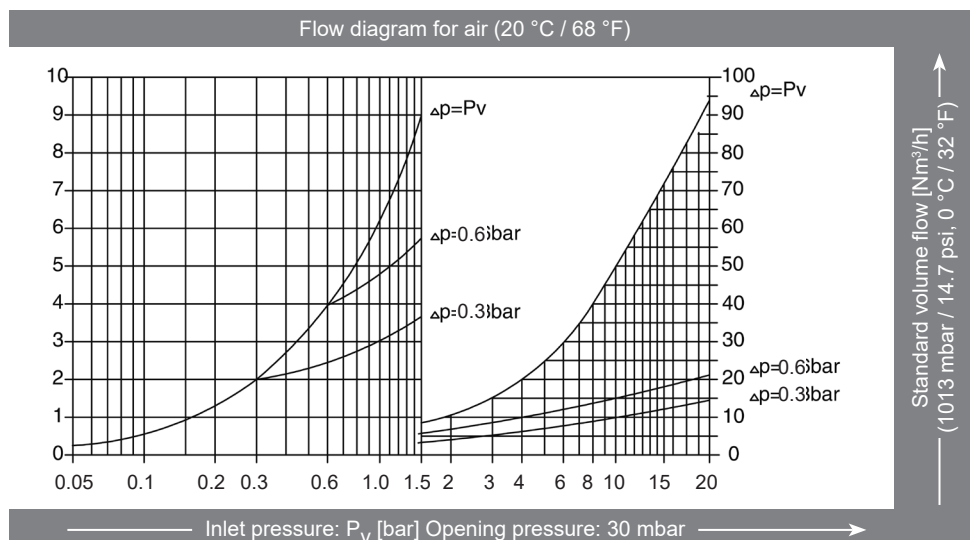
RF53N
RF53NU
RF53U
RF53DN Flow 10% less

Conversion factors:
Acetylene x 1.04
Butane x 0.68
Natural Gas x 1.25
Methane x 1.33
Propane x 0.80
Oxygen x 0.95
Town gas x 1.54
Hydrogen x 3.75



RF53NSK

Conversion factors:
Acetylene x 1.04
Butane x 0.68
Natural Gas x 1.25
Methane x 1.33
Propane x 0.80
Oxygen x 0.95
Town gas x 1.54
Hydrogen x 3.75



Other connections available upon request