

»Do you require highest standards from your gas safety equipment?«

[CHRISTIAN FLÜCKEN: GENERAL MANAGER SAFETY EQUIPMENT – WITT-GASETECHNIK]

Then choose WITT for stainless steel valves and accessories.
For hydrogen, corrosive gases or pure gas applications.



HIGH QUALITY GAS SUPPLY WITH WITT STAINLESS STEEL SAFETY DEVICES.

WITT-Gasetechnik offers a wide range of stainless steel flashback arrestors, non-return valves, safety relief valves and gas filters. WITT stainless steel safety devices are of highest quality and very robust and are suitable for hydrogen applications as well as with pure or corrosive gases or when used in corrosive environments.

WITT offers safety equipment you can trust and rely on. State of the art manufacturing technologies, premium stainless steel and a sophisticated quality management system guarantee highest quality. It goes without saying that WITT products meet all relevant international standards. For your safety.

With a highly skilled workforce and extensive know-how WITT offers highest level of expertise even for special applications. With complete development and manufacturing from a single source we can rapidly respond to your demands. Talk to us about your requirements. We will provide your individual safety solutions.

APPLICATIONS FOR STAINLESS STEEL DEVICES

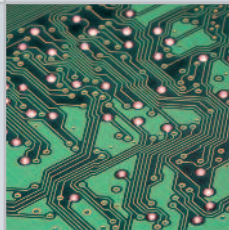
- **HYDROGEN**
Automotive industry
Fuel cells
Power generation
- **PURE GASES**
Food industry
Pharmaceutical industry
Chemical industry
Glas industry
Research facilities
- **CORROSIVE GASES / ENVIRONMENTS**
Biogas plants
Petro-Chemical industry

OUR PORTFOLIO

- 1 **FLASHBACK ARRESTORS**
- 2 **NON-RETURN VALVES**
- 3 **SAFETY RELIEF VALVES**
- 4 **GAS FILTERS**

WITT – BECAUSE YOUR SAFETY IS PRECIOUS!













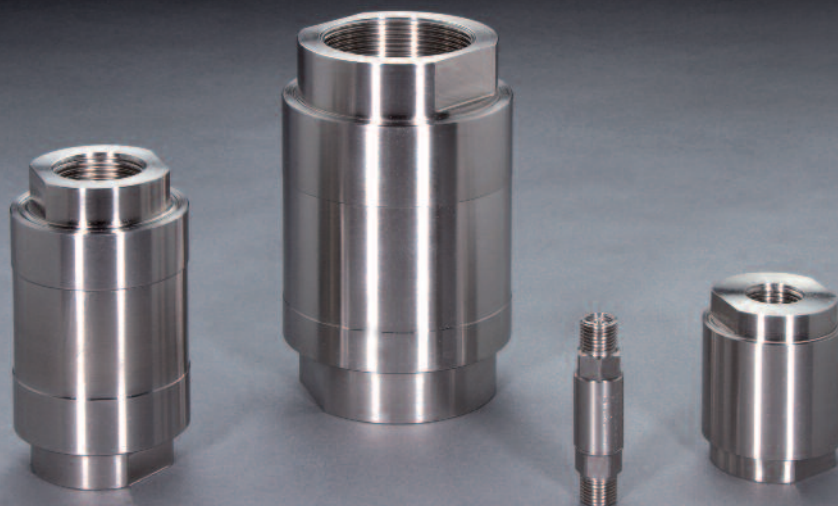


1 FLASHBACK ARRESTORS

WITT flashback arrestors are used to protect the gas supply and can be used for almost all technical gases. By combination of all established safety elements flashback arrestors provide protection against flashbacks and backfire. Flashback arrestors also prevent the formation of dangerous gas mixtures within the pipeline.

- Combination of flame arrestor, non-return valve and thermal cut-off for optimal protection
- Extinguish dangerous flashbacks or backfire
- Avoid explosive mixtures in the gas supply
- Depending on requirements, individual selection of safety features possible
- For fuel gases and oxygen
- Installation independent of the orientation
- Long service life due to filters at the gas inlet
- Variety of connections available





	Model	Remarks	Gases / Max. working pressures / Flows						Safety elements				Connections
			Acetylene (A)	Ethylene (E)	Oxygen (O)	LPG (P)	Hydrogen (H)	Natural Gas (M)	Inlet Gas Filter	Flame Arrestor (FA)	Non-Return Valve (NV)	Temperature activated Cut-off Valve (TV)	
	RF53N-ES	EN 730	1.5 bar / 10.6 m³/h 21 psi / 374 scfh		30 bar 435 psi	5 bar 72 psi	3 bar 43 psi	5 bar 72 psi	X	X	X	X	Depending on model Threads G/BSP NPT Rc UNF VCR Sizes 1/4" - 1.1/2" Other connections on request
	RF53N/H-ES	EN 730				8 bar 116 psi	9 bar 130 psi	12 bar 174 psi	X	X	X	X	
	RF85-10N-ES	EN 730	1.5 bar / 19.7 m³/h 21 psi / 695 scfh	5 bar 72 psi	30 bar 435 psi	5 bar 72 psi	4 bar 58 psi	5 bar 72 psi	X	X	X	X	
	RF85-10N/H-ES	EN 730		9 bar 130 psi		5 bar 72 psi	10 bar 145 psi	10 bar 145 psi	X	X	X	X	
	RF85-20N-ES	EN 730	1.5 bar / 43.5 m³/h 21 psi / 1,536 scfh	4 bar 58 psi	16 bar 232 psi	4 bar 58 psi	4 bar 58 psi	4 bar 72 psi	X	X	X	X	
	RF85-30N-ES	EN 730	1.5 bar / 66.5 m³/h 21 psi / 2,347 scfh	4 bar 58 psi	30 bar 435 psi	3.5 bar 50 psi	4 bar 58 psi	5 bar 72 psi	X	X	X	X	
	RF85-30N/H-ES	EN 730	1.5 bar / 66.5 m³/h 21 psi / 2,347 scfh		30 bar 435 psi	3.5 bar 50 psi	11 bar 159 psi	5 bar 72 psi	X	X	X	X	
	F100N-ES	EN 730					17 bar 246 psi	17 bar 246 psi	X	X	X	X	



2 NON-RETURN VALVES

WITT non-return valves protect plants, pipelines and outlet points against reverse gasflow. The product range of non-return valves offers a wide range of dimensions and flow rates. The sophisticated valve technology of WITT non-return valves provides small pressure drops making them also suitable for applications with smallest operating pressures.

- Avoid the formation of explosive mixtures in the gas supply
- Suitable for 4 mbar to 40 bar
- For all technical gases – wide range of applications
- Low pressure drops – using complex valve assembly with low opening pressures
- Sophisticated valve design using elastomer sealings for leak tightness and long service life
- Installation independent of the orientation
- Variety of connections available





	Model	Remarks	Opening pressure	Gases / Max. working pressures						Connection
				Acetylene (A)	Oxygen (O)	LPG (P)	Hydrogen (H)	Natural Gas (M)	Neutral Gas	
	600-ES		ca. 4 mbar 0.06 psi	1,5 bar 21 psi	16 bar 232 psi	16 bar 232 psi	16 bar 232 psi	16 bar 232 psi	16 bar 232 psi	Depending on model
	600H-ES		ca. 100 mbar ca. 1.4 psi	1,5 bar 21 psi	40 bar 580 psi	40 bar 580 psi	40 bar 580 psi	40 bar 580 psi	40 bar 580 psi	Threads
	338-ES	DVGW NG-4390 AL0030	ca. 6 mbar ca. 0.09 psi		16 bar 232 psi	16 bar 232 psi	16 bar 232 psi	16 bar 232 psi	16 bar 232 psi	NPT Rc
	339-ES	DVGW NG-4390 BM0278	ca. 5 mbar ca. 0.07 psi		16 bar 232 psi	16 bar 232 psi	16 bar 232 psi	16 bar 232 psi	16 bar 232 psi	Sizes 1/4"–2"
	800-ES	Burn-out safety with oxygen	ca. 1 bar ca. 14 psi		240 bar 3,480 psi		300 bar 4,351 psi		300 bar 4,351 psi	Other connections on request



3 SAFETY RELIEF VALVES

WITT safety relief valves protect against over pressure by venting excess gases from pipelines, gas receivers and other equipment. The spring-loaded, direct action relief valves are suitable for individual opening pressures from 5 mbar to 100 bar. The compact size allows easy installation in any orientation and makes the valves suitable for many applications.

- Spring-loaded, direct action relief valves
- Individual opening pressure from 5 mbar to 100 bar
- For all technical gases – wide range of applications
- Compact size
- Installation independent of the orientation
- Protective dust cap
- Variety of connections available

	Model	Remarks	Technical information					Features	
			Opening pressure	Inlet connection	Outlet connection	With condensation outlet	Inlet filter (optional)	Manual ventilation	Manufactured and certified according to EN ISO 4126-1 AD 2000 bulletin A2 and VdUV-bulletin 100
	SV 805-ES SV 809-ES	For gas receivers and pipelines CE-marked according to PED 97/23/EG CE0045	> 0.5 bar–45 bar 45 bar–100 bar 7 psi–652 psi 652 psi–1,450 psi	Depending on model	M24 x 1	X		X	X
	SV 805A-ES SV 809A-ES	For gas receivers and pipelines CE-marked according to PED 97/23/EG CE0045	> 0.5 bar–45 bar 45 bar–100 bar 7 psi–652 psi 652 psi–1,450 psi	Threads G/BSP NPT VCR	G 1/2"		X	X	X
	AV 619-ES		> 5 mbar– < 500 mbar 0.07 psi– < 7 psi	Sizes 1/4"–1"	G 1/2"–1"		X		X
	SV 811	For hydrogen vehicles EG 79/2009	4.5 bar–25 bar 25 bar–45 bar 65 psi–362 psi 362 psi–652 psi	Other connections on request	M24 x 1				X

▀ **OUR PRODUCT RANGE**

Gas Control Equipment

- Gas mixing systems
- Gas metering systems
- Gas analysers
- Leak detection systems
- Gas pressure vessels
- Engineering of customised systems

Gas Safety Equipment

- Flashback arrestors
- Non-return valves
- Quick couplers
- Safety valves
- Stainless steel devices
- Gas filters
- Pressure regulators
- Lance holders
- Ball valves
- Automatic hose reels
- Test equipment
- Accessories
- Customised safety equipment

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