

Rely on
WITT for gas safety
technology.



HOW IMPORTANT IS SAFE GAS SUPPLY?

ANDREAS HEYER: SENIOR PRODUCT MANAGER – WITT-GASESTECHNIK

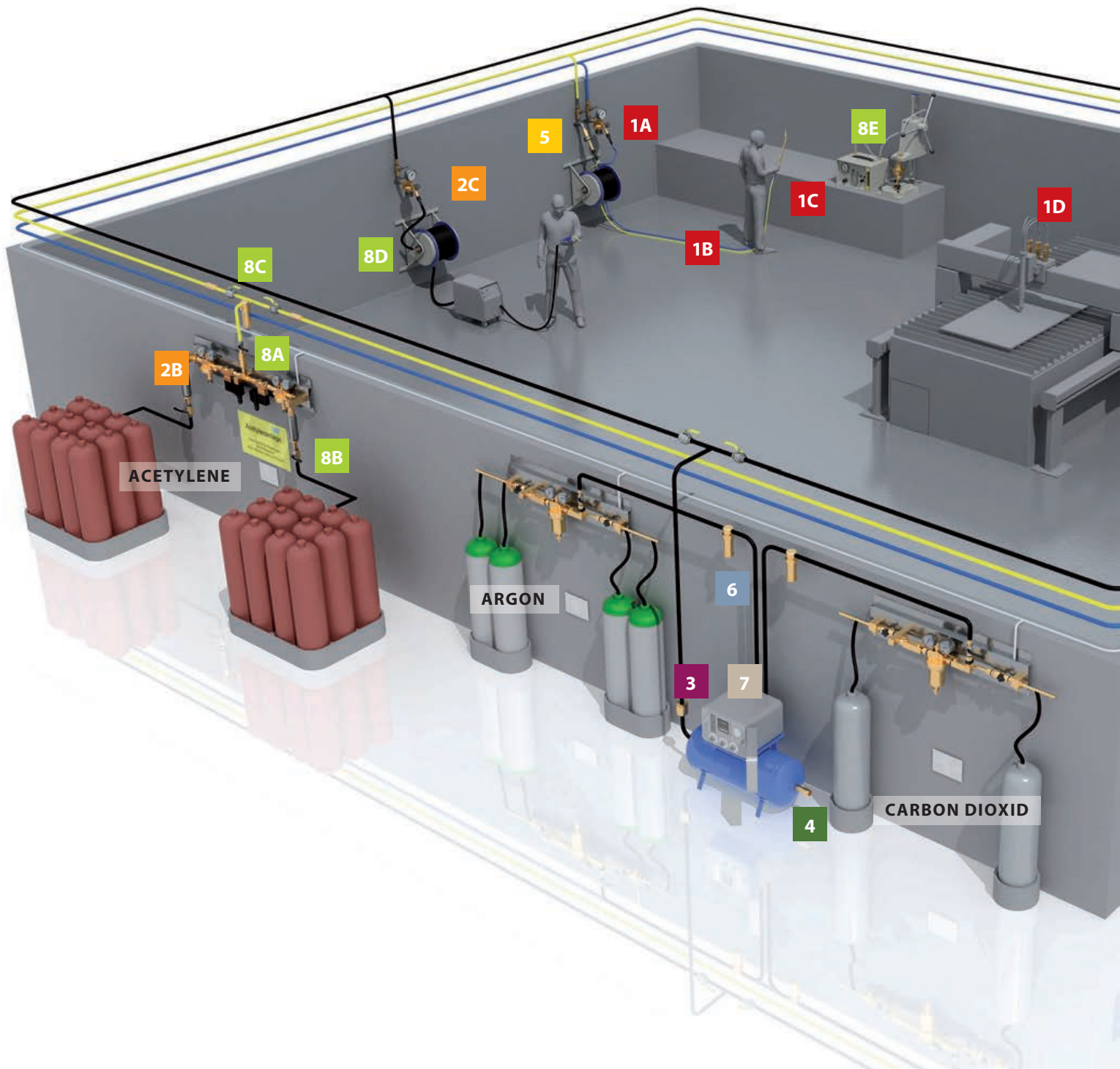
CENTRAL GAS SUPPLY SYSTEMS INCREASE SAFETY AND PRODUCTIVITY!

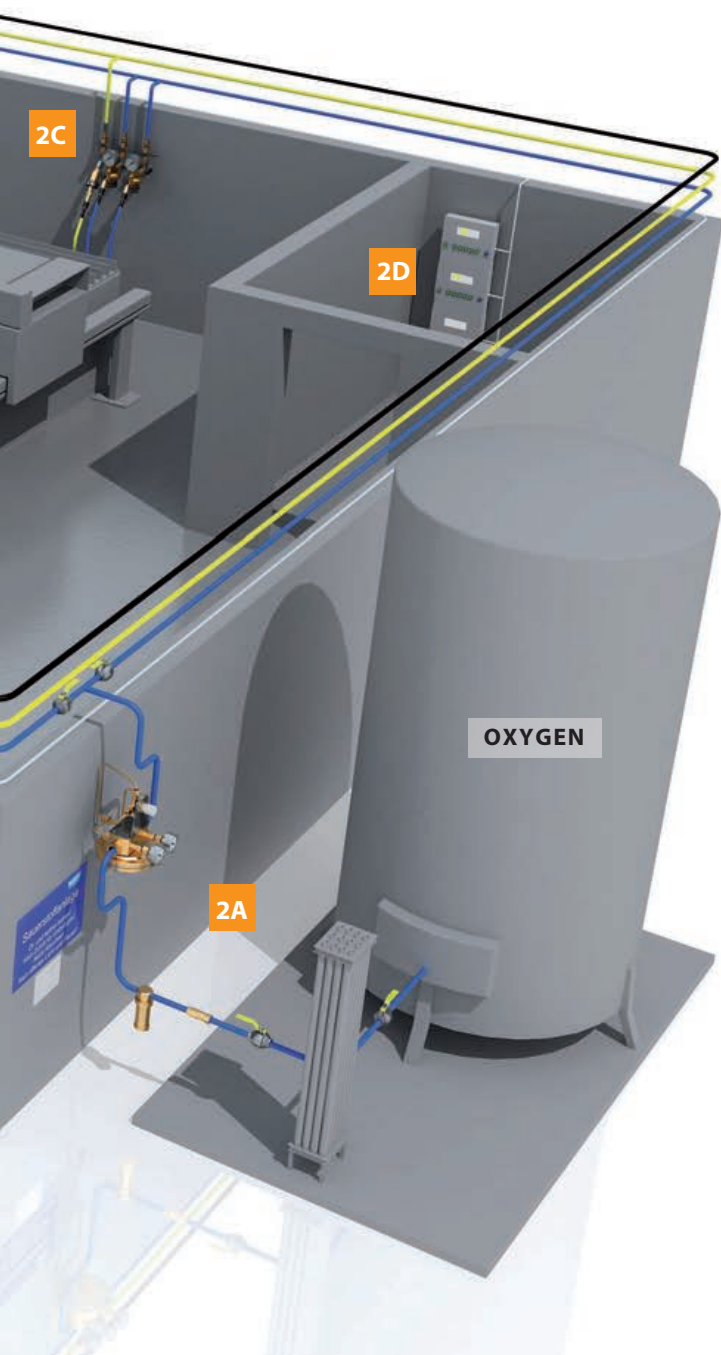
Continuous gas supply, improved safety by less transportation of gas cylinders, more space at the point of use, flexibility and expandability – central gas supply systems offer numerous benefits. Field-proven solutions by WITT ensure the optimal realisation from gas inlet to outlet point, from conception to implementation.

As market leader with longtime experience WITT offers all components for central gas supply systems – gas mixers, pressure regulator stations, flashback arrestors, outlet points, electronic control and special equipment. Complete systems by WITT meet the most challenging requirements ensuring best quality, high flow rates and minimum pressure loss.

Our BAM-tested and certified products set standards. Rely on German quality and contact persons globally.

WITT – CENTRAL GAS SUPPLY SYSTEMS FROM A SINGLE SOURCE!





1 > FLASHBACK ARRESTORS

- 1A For regulators, outlet points, pipelines
- 1B For hoses
- 1C For torches
- 1D For cutting machines

2 > PRESSURE REGULATOR STATIONS AND OUTLET POINTS

- 2A Dome pressure regulators
- 2B Pressure regulator stations
- 2C Outlet points
- 2D Electronic switch and control

3 > NON-RETURN VALVES

4 > SAFETY RELIEF VALVES

5 > QUICK COUPLINGS (for outlet points, pipelines, torches)

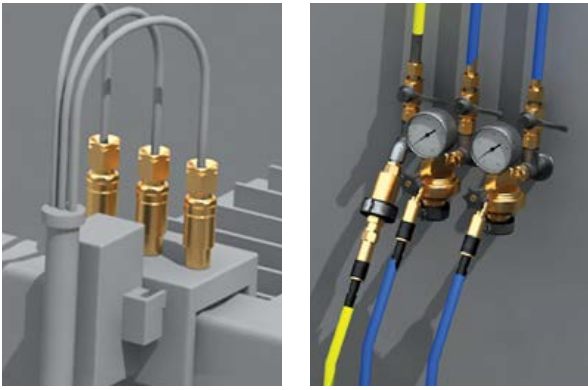
6 > GAS FILTERS

7 > GAS MIXERS

8 > SPECIAL EQUIPMENT

- 8A Decomposition Arrestors
- 8B Automatic slam shut valves
- 8C Ball valves
- 8D Safety hose reels
- 8E Test equipment

PRODUCT PORTFOLIO



1 FLASHBACK ARRESTORS

Protection of single cylinders, outlet points or pipelines against reverse gas flow and flashbacks:

- Combination of all safety elements for optimal protection
- Extinguish dangerous flashbacks or backfire
- Avoid explosive mixtures in the gas supply
- Wide product range for all kinds of applications
- For all technical gases
- Installation independent of the orientation
- Long service life due to protection against dirt – via filter at gas inlet
- All connections available
- Available in brass or stainless steel



3 NON-RETURN VALVES

Protection of equipment, pipelines and outlet points against reverse gas flow:

- Avoid the formation of explosive mixtures in the gas supply
- Varying from 0.04–4351 psi and flows between 0.01 scfh – 16697.82 scfh with any wanted connection
- For all technical gases – wide range of applications
- Low pressure drops – using complex valve assembly with low opening pressures
- No leaks – using of a spring loaded valve assembly with elastomer sealing
- Installation independent of the orientation
- All connections available
- Available in brass or stainless steel



2 PRESSURE REGULATORS

Constant gas flow and control of central gas supplies:

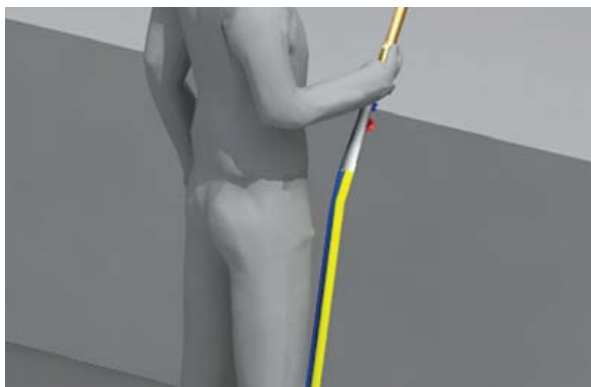
- Continuous gas supply and control of a pipeline
- With manual or automatic change-over
- Completely mounted and tested
- Compact design
- Reduces the risk of accidents



4 SAFETY RELIEF VALVES

Avoiding over-pressure by gas blowdown from pipelines and other equipment:

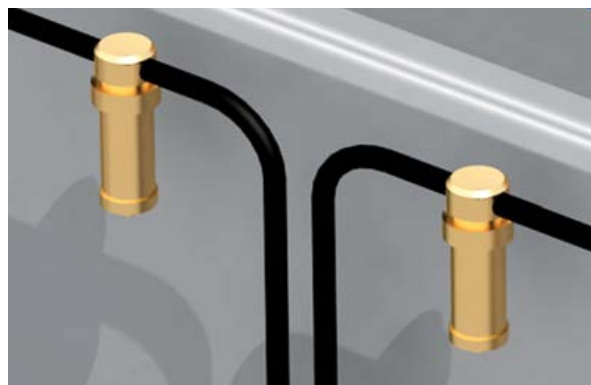
- Venting of excess pressure to protect down-stream equipment
- Individual opening pressure from 0.07 psi to 650 psi
- Compact size
- Installation independent of the orientation
- Protective dust cap
- Range of inlet connections
- Available in brass or stainless steel
- Also as a smart valve with visual indication of the status and digital signal for transmission to a network



5 QUICK COUPLINGS

Safe and quick connection of equipment:

- Lightning fast connection and disconnection of equipment
- Gas-tightness when disconnected
- No build-up of explosive gas-mixtures in the pipe line – because of non-return valve
- No confusion between connections – because of different probes for Oxygen, Fuel and Inert Gases
- Simplest selection of the right body and probe – because of new colour coded probe
- All connections available
- Dirt-filter protects hose coupling and equipment



6 GAS FILTERS

Reliable filtration of the finest dirt particles in gases:

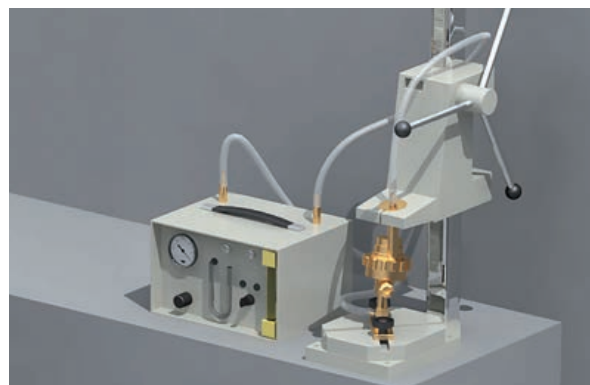
- For pipelines and gas outlet points. Some with condensation outlet
- For particles from 0.5–80 micron
- Diverse applications – useful for many technical gases
- High flow rates
- Extend the service life of downstream equipment – by reliable filtration performance
- Change of filter possible while installed
- Large choice of connections



7 GAS MIXERS

High quality mixing systems for 2 or 3 gases particularly for all areas with sharply fluctuating mixed gas flows:

- Easy operation
- A proportional mixing valve or three single mixing valves provide infinitely variable mixture settings
- Gas mixture withdrawal possible from zero to the maximum flow capacity
- High process reliability
- Independent of pressure fluctuations in the gas supply
- Intermittent gas mixture withdrawal possible
- Splash-proof and robust stainless steel housing
- For flammable gases available as EEx-version with separate control cabinet
- Integrated gas analysis for the control and documentation of the gas mixture production
- Monitoring of the gas supply with alarm



8 TEST EQUIPMENT

For the testing of all safety elements including flashback arrestors and non-return valves.

- Cost effective
- Only one test rig for all tests
 - Leak tightness to atmosphere
 - Test of non-return valve against low and high back pressure
 - Function of pressure sensitive gas cut off valve
 - Measurement of flow capacity of safety device
- Clear readings
- Robust design
- Maintenance free

Material		Model	Remarks	Gases / Max. working pressures / Flows					Safety elements					
				Acetylene (A)	Oxygen (O)	LPG (P)	Hydrogen (H)	Natural Gas (M)	Inlet Gas Filter – depending on connection	Flame Arrestor (FA)	Non-Return Valve (NV)	Temperature activated Cut-off Valve (TV)	Pressure actuated Cut-off Valve (PV)	Pressure Relief Valve
Brass		RF53N		21 psi / 458 scfh	362 psi	72 psi	43 psi	72 psi	X	X	X	X		
		RF53DN		21 psi / 405scfh	145 psi	72 psi	43 psi	72 psi	X	X	X	X		X
		RF53NSK	quick connect (ISO 7289)	21 psi / 458 scfh	290 psi	72 psi	43 psi	72 psi	X	X	X	X		
		85-10		21 psi / 776 scfh	362 psi	72 psi	4 psi	72 psi	X	X	X	X		
		85-20		2 psi / 1588 scfh	232 psi	58 psi	58 psi	58 psi	X	X	X	X		
		85-30		21 psi / 2470 scfh	362 psi	50 psi	58 psi	72 psi	X	X	X	X		
Stainless steel		RF53N-ES		21 psi / 458 scfh	362 psi	72 psi	43 psi	72 psi	X	X	X	X		
		RF53N/H-ES				116 psi	145 psi	174 psi	X	X	X	X		
		RF85-10N-ES		21 psi / 776 scfh	362 psi	72 psi	58 psi	72 psi	X	X	X	X		

Material		Model	Remarks	Gases / Max. working pressures / Flows					Safety elements					
				Acetylene (A)	Oxygen (O)	LPG (P)	Hydrogen (H)	Natural Gas (M)	Inlet Gas Filter – depending on connection	Flame Arrestor (FA)	Non-Return Valve (NV)	Temperature activated Cut-off Valve (TV)	Pressure actuated Cut-off Valve (PV)	Pressure Relief Valve
Stainless steel		RF85-10N/H-ES				72 psi	145 psi	145 psi	X	X	X	X		
		RF85-20N-ES		29 psi / 1588 scfh	232 psi	58 psi	58 psi	58 psi	X	X	X	X		
		RF85-30N-ES		21 psi / 2470 scfh	362 psi	50 psi	58 psi	72 psi	X	X	X	X		
		RF 85-30N/H-ES				72 psi	159 psi	116 psi	X	X	X	X		
		F100N-ES					246 psi			X		X		
Brass		Super 55	resettable (only PV)	21 psi / 352 scfh	219 psi	72 psi	43 psi	72 psi	X	X	X	X		
		Super 90	resettable (only PV)	21 psi / 388 scfh	145 psi	58 psi	72 psi	72 psi	X	X	X	X	X	
		Super 78	resettable (only PV)	21 psi / 388 scfh	145 psi	58 psi	72 psi	72 psi	X	X	X	X	X	

1 > **FLASHBACK ARRESTORS** | for regulators, outlet points, pipelines, DIN EN ISO 5175-1

Material		Model	Remarks	Gases / Max. working pressures / Flows					Safety elements					
				Acetylene (A)	Oxygen (O)	LPG (P)	Hydrogen (H)	Natural Gas (M)	Inlet Gas Filter – depending on connection	Flame Arrestor (FA)	Non-Return Valve (NV)	Temperature activated Cut-off Valve (TV)	Pressure actuated Cut-off Valve (PV)	Pressure Relief Valve
Brass		Super 66	resettable	29 psi / 105 scfh	145 psi	72 psi	72 psi	72 psi	X	X	X	X	X	
		RF53N/30				43 psi		58 psi	X	X	X	X		
		85-10N/30				21 psi	2.9 psi	21 psi	X	X	X	X		
		270N 270 NU				29 psi	21 psi	43 psi		X	X	X		
		623N 623 NU					29 psi	21 psi	50 psi		X	X	X	

1 > **FLASHBACK ARRESTORS** | for hoses

Brass		E460-2	hose nipple	21 psi / 317 scfh	290 psi	72 psi	58 psi	72 psi	X	X	X			
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Material		Model	Remarks	Gases / Max. working pressures / Flows					Safety elements					
				Acetylene (A)	Oxygen (O)	LPG (P)	Hydrogen (H)	Natural Gas (M)	Inlet Gas Filter – depending on connection	Flame Arrestor (FA)	Non-Return Valve (NV)	Temperature activated Cut-off Valve (TV)	Pressure actuated Cut-off Valve (PV)	Pressure Relief Valve
Brass		E460-1	hose nipple	21 psi / 317 scfh	290 psi	72 psi	58 psi	72 psi	X	X	X			
		E460-3		21 psi / 317 scfh	290 psi	72 psi	58 psi	72 psi	X	X	X			
		E460SK	quick connect (ISO 7289)	21 psi / 317 scfh	290 psi	72 psi	58 psi	72 psi	X	X	X			
		E460SKU	quick connect (ISO 7289)	21 psi / 458 scfh	290 psi	72 psi	58 psi	72 psi		X	X			
		RF53NU		21 psi / 458 scfh	362 psi	72 psi	48 psi	72 psi	X	X	X	X		
		85-10NU		21 psi / 776 scfh	362 psi	72 psi	58 psi	72 psi	X	X	X	X		
		85-10NU (Exzenter)	off-centre-nut	21 psi / 776 scfh	362 psi	72 psi	58 psi	72 psi	X	X	X	X		

Material		Model	Remarks	Gases / Max. working pressures / Flows					Safety elements					
				Acetylene (A)	Oxygen (O ₂)	LPG (P)	Hydrogen (H ₂)	Natural Gas (M)	Inlet Gas Filter – depending on connection	Flame Arrestor (FA)	Non-Return Valve (NV)	Temperature activated Cut-off Valve (TV)	Pressure actuated Cut-off Valve (PV)	Pressure Relief Valve
Brass		E460-3		21 psi / 317 scfh	290 psi	72 psi	58 psi	72 psi	X	X	X			
		RF53U		21 psi / 458 scfh	362 psi	72 psi	29 psi	72 psi	X	X	X			
		85-10U		21 psi / 776 scfh	362 psi	72 psi	58 psi	72 psi	X	X	X			
		85-10NU (Excenter)	off-centre-nut	21 psi / 776 scfh	362 psi	72 psi	58 psi	72 psi	X	X	X			

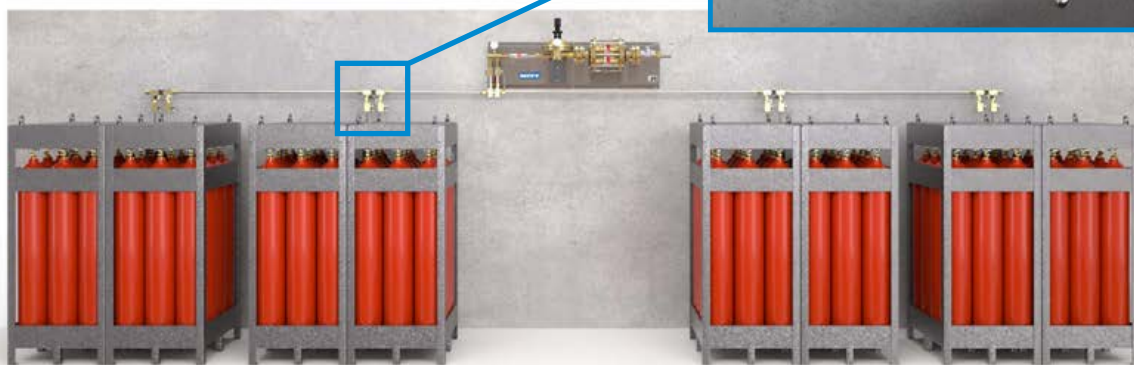
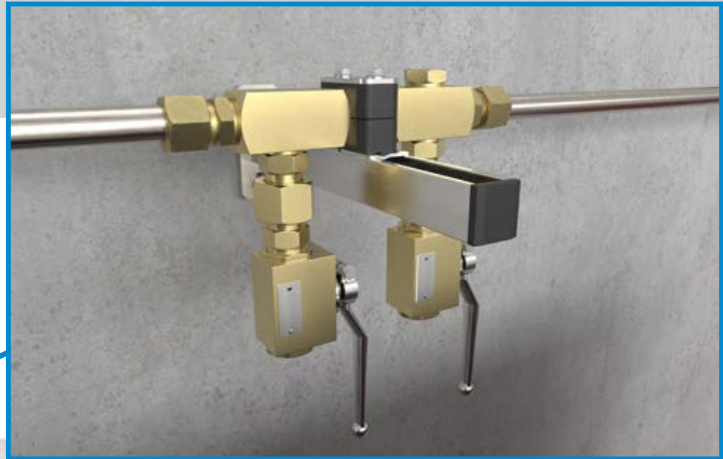
MORE SAFETY IS NOT POSSIBLE



Application		Model	Remarks	Gases / Max. working pressures / Flows						
				Acetylene (A)	Oxygen (O ₂)	LPG (P)	Hydrogen (H ₂)	Natural Gas (M)	Argon (Ar)	Nitrogen (N ₂)
Dome pressure regulator		737LE-HD/S	Set including Pilot pressure regulator, inlet and back pressure gauge, connections up to G3", flange DN80/100		Max. inlet pressure 2900 psi Outlet pressure 7.25-870 psi Kv-Value = 1,65	Max. inlet pressure 1450 psi Outlet pressure 7.25-870 psi Kv-Value = 1,65	Max. inlet pressure 4350 psi Outlet pressure 7.25-870 psi Kv-Value = 1,65	Max. inlet pressure 4350 psi Outlet pressure 7.25-870 psi Kv-Value = 1,65	Max. inlet pressure 4350 psi Outlet pressure 7.25-870 psi Kv-Value = 1,65	Max. inlet pressure 4350 psi Outlet pressure 7.25-870 psi Kv-Value = 1,65
		737LE/S 747LE/S 757LE/S 767LE/S			Max. inlet pressure 326 psi Outlet pressure 7.25-435 psi Kv-Value = 2,4 / 3,6 / 15 / 30	Max. inlet pressure 326 psi Outlet pressure 7.25-232 psi Kv-Value = 2,4 / 3,6 / 15 / 30	Max. inlet pressure 580 psi Outlet pressure 7.25-435 psi Kv-Value = 2,4 / 3,6 / 15 / 30	Max. inlet pressure 580 psi Outlet pressure 7.25-435 psi Kv-Value = 2,4 / 3,6 / 15 / 30	Max. inlet pressure 580 psi Outlet pressure 7.25-435 psi Kv-Value = 2,4 / 3,6 / 15 / 30	Max. inlet pressure 580 psi Outlet pressure 7.25-435 psi Kv-Value = 2,4 / 3,6 / 15 / 30
		Smart Version Modell 747/757/767			Max. inlet pressure 435 psi Outlet pressure 7.25-420 psi Kv-Value = 3,6 / 15 / 30	Max. inlet pressure 362 psi Outlet pressure 7.25-232 psi Kv-Value = 3,6 / 15 / 30	Max. inlet pressure 580 psi Outlet pressure 7.25-435 psi Kv-Value = 3,6 / 15 / 30	Max. inlet pressure 580 psi Outlet pressure 7.25-435 psi Kv-Value = 3,6 / 15 / 30	Max. inlet pressure 580 psi Outlet pressure 7.25-435 psi Kv-Value = 3,6 / 15 / 30	Max. inlet pressure 580 psi Outlet pressure 7.25-435 psi Kv-Value = 3,6 / 15 / 30
		737LE-HD/S-ES	Set including Pilot pressure regulator, inlet and back pressure gauge, connections up to G3", flange DN80/100		Max. inlet pressure 435 psi Outlet pressure 7.25-420 psi Kv-Value = 2,4 / 3,6 / 15 / 30	Max. inlet pressure 1450 psi Outlet pressure 7.25-377 psi Kv-Value = 2,4 / 3,6 / 15 / 30	Max. inlet pressure 4350 psi Outlet pressure 7.25-870 psi Kv-Value = 2,4 / 3,6 / 15 / 30	Max. inlet pressure 4350 psi Outlet pressure 7.25-870 psi Kv-Value = 2,4 / 3,6 / 15 / 30	Max. inlet pressure 4350 psi Outlet pressure 7.25-870 psi Kv-Value = 2,4 / 3,6 / 15 / 30	Max. inlet pressure 4350 psi Outlet pressure 7.25-870 psi Kv-Value = 2,4 / 3,6 / 15 / 30
		737LE/S-ES 747LE/S-ES 757LE/S-ES 76LE/S-ES			Max. inlet pressure 435 psi Outlet pressure 7.25-420 psi Kv-Value = 2,4 / 3,6 / 15 / 30	Max. inlet pressure 362 psi Outlet pressure 7.25-232 psi Kv-Value = 2,4 / 3,6 / 15 / 30	Max. inlet pressure 580 psi Outlet pressure 7.25-435 psi Kv-Value = 2,4 / 3,6 / 15 / 30	Max. inlet pressure 580 psi Outlet pressure 7.25-435 psi Kv-Value = 2,4 / 3,6 / 15 / 30	Max. inlet pressure 580 psi Outlet pressure 7.25-435 psi Kv-Value = 2,4 / 3,6 / 15 / 30	Max. inlet pressure 580 psi Outlet pressure 7.25-435 psi Kv-Value = 2,4 / 3,6 / 15 / 30
Manifold pressure regulator		ADR 75	Dome pressure regulator; 36 psi version available	Max. inlet pressure 362 psi Outlet pressure 0-21 psi (0-36 psi) Max. flow 2647 scfh						
		ADR 150	29 psi version available	Max. inlet pressure 362 psi Outlet pressure 0-21 psi (0-29 psi) Max. flow 5294 scfh						
		ADR 150 F	Spring loaded pressure regulator	Max. inlet pressure 362 psi Outlet pressure 0-21 psi Max. flow 5294 scfh						

Application		Model	Remarks	Gases / Max. working pressures / Flows						
				Acetylene (A)	Oxygen (O ₂)	LPG (P)	Hydrogen (H ₂)	Natural Gas (M)	Argon (Ar)	Nitrogen (N ₂)
Pressure regulator stations		684NGA	Manual or automatic change-over (WITT Switch)	Max. inlet pressure 362 psi	Max. inlet pressure 4350 psi	Max. inlet pressure 2647 psi	Max. inlet pressure 4350 psi	Max. inlet pressure 4350 psi	Max. inlet pressure 4350 psi	Max. inlet pressure 4350 psi
		684NGA		Outlet pressure 0-21 psi	Outlet pressure 0-290 psi	Outlet pressure 0-290 psi	Outlet pressure 0-290 psi	Outlet pressure 0-290 psi	Outlet pressure 0-290 psi	Outlet pressure 0-290 psi
				Max. flow 352 psi	Max. flow 2647 psi	Max. flow 2647 psi	Max. flow 2647 psi	Max. flow 2647 psi	Max. flow 2647 psi	Max. flow 2647 psi
		386N	Manual or automatic change-over (WITT Switch)	Max. inlet pressure 362 psi	Max. inlet pressure 4350 psi	Max. inlet pressure 2647 psi	Max. inlet pressure 4350 psi	Max. inlet pressure 4350 psi	Max. inlet pressure 4350 psi	Max. inlet pressure 4350 psi
		386NGA		Outlet pressure 0-21 psi	Outlet pressure 0-290 psi	Outlet pressure 0-290 psi	Outlet pressure 0-290 psi	Outlet pressure 0-290 psi	Outlet pressure 0-290 psi	Outlet pressure 0-290 psi
				Max. flow 1058 psi	Max. flow 7059 psi	Max. flow 2647 psi	Max. flow 7059 psi	Max. flow 7059 psi	Max. flow 7059 psi	Max. flow 7059 psi
		150NF	Manual or automatic change-over (Switch-Tronic)	Max. inlet pressure 362 psi Outlet pressure 0-21 psi Max. flow 5294 psi						
		150N								
		150NA								
		WITT Switch	Automatic control unit for pressure regulating stations							
Outlet points		503			232 psi	232 psi	232 psi	232 psi	232 psi	232 psi
		603		21 psi	580 psi	580 psi	580 psi	580 psi	580 psi	580 psi
		610			580 psi	580 psi	580 psi	580 psi	580 psi	580 psi

HIGH PRESSURE PIPING ON CUSTOMER REQUEST



MAXIMUM PRECISION AND CONSISTENCY FOR YOUR GAS PRESSURE



Material		Model	Remarks	Gases / Max. working pressures							Connection
				Opening pressure	Acetylene (A)	Oxygen (O ₂)	LPG (P)	Hydrogen (H ₂)	Natural Gas (M)	Nitrogen (N ₂)	
Brass		654		0.44 psi		435 psi	870 psi	870 psi	870 psi	870 psi	G 1/8
		NV 100		0.44 psi	21 psi	362 psi	362 psi	362 psi	362 psi	362 psi	G 1/8-G 1/8
		ULTRA 10		0.06 psi	21 psi	232 psi	232 psi	232 psi	232 psi	232 psi	G 1/2
		ULTRA 12	free combination of materials for housing (brass, stainless steel, aluminum) and seal (NBR/CR, FPM/FKM, EPDM/FFKM)	0.06 psi		232 psi	232 psi	232 psi	232 psi	232 psi	G 1/2
		ULTRA 20		0.06 psi		232 psi	232 psi	232 psi	232 psi	232 psi	G 1/2-G 1 1/2"-1" NPT
		ULTRA 22	free combination of materials for housing (brass, stainless steel, aluminum) and seal (NBR/CR, FPM/FKM, EPDM/FFKM)	0.06 psi	21 psi	232 psi	232 psi	232 psi	232 psi	232 psi	G 1/2-G 1 1/2"-1" NPT
		600H		3.62 psi	21 psi	580 psi	580 psi	580 psi	580 psi	580 psi	G 1/2-G 1
		70		0.06 psi		232 psi	232 psi	232 psi	232 psi	232 psi	G 3/4-G 1 1/2
		70U		0.06 psi		232 psi	232 psi	232 psi	232 psi	232 psi	G 3/4-G 1 1/2

Material		Model	Remarks	Gases / Max. working pressures							Connection
				Opening pressure	Acetylene (A)	Oxygen (O ₂)	LPG (P)	Hydrogen (H ₂)	Natural Gas (M)	Nitrogen (N ₂)	
Steel		NV 300		0.06 psi		232 psi	232 psi	232 psi	232 psi	232 psi	G 1-G 1.1/4
		ULTRA 30		0.07 psi		290 psi	290 psi	290 psi	290 psi	290 psi	G 1.1/2 1.1/2" NPT
Stainless steel		ULTRA 32	free combination of materials for housing (brass, stainless steel, aluminum) and seal (NBR/CR, FPM/FKM, EPDM/FFKM)	0.07 psi	21 psi	290 psi	290 psi	290 psi	290 psi	290 psi	G 1.1/2 1.1/2" NPT
		NV 400		0.06 psi		232 psi	232 psi	232 psi	232 psi	232 psi	G 1-G 1.1/4
		NV 400 intermediate flange		0.06 psi		232 psi	232 psi	232 psi	232 psi	232 psi	DN 40/50
		ULTRA 40		0.07 psi		290 psi	290 psi	290 psi	290 psi	290 psi	G 2.1/2 2.1/2" NPT
		ULTRA 42	free combination of materials for housing (brass, stainless steel, aluminum) and seal (NBR/CR, FPM/FKM, EPDM/FFKM)	0.07 psi		290 psi	290 psi	290 psi	290 psi	290 psi	G 2.1/2 2.1/2" NPT

**ULTRA PERFORMANCE
NOW AS STANDARD**



Material		Model	Remarks	Gases / Max. working pressures							
				Opening pressure	Acetylene (A)	Oxygen (O ₂)	LPG (P)	Hydrogen (H ₂)	Natural Gas (M)	Nitrogen (N ₂)	Connection
Steel		NV 800		0.08–0.12 psi		145 psi	145 psi		145 psi	145 psi	DIN-Flange DN65-DN100
		NV 2000		0.0725 psi			145 psi		145 psi	145 psi	DIN-Flange DN80 / DN100-200
Stainless steel		654-ES		0.44 psi		435 psi	870 psi	870 psi	870 psi	870 psi	G 1/8
		NV 100-ES		0.44 psi	21 psi	362 psi	362 psi	362 psi	362 psi	362 psi	G 1/8
		ULTRA 10		0.06 psi		232 psi	232 psi	232 psi	232 psi	232 psi	G 1/2
		ULTRA 12	free combination of materials for housing (brass, stainless steel, aluminum) and seal (NBR/CR, FPM/FKM, EPDM/FFKM)	0.06 psi		232 psi	232 psi	232 psi	232 psi	232 psi	G 1/2
		ULTRA 20		0.06 psi		232 psi	232 psi	232 psi	232 psi	232 psi	G 1/2–G 1 1/2"–1" NPT
		ULTRA 22	free combination of materials for housing (brass, stainless steel, aluminum) and seal (NBR/CR, FPM/FKM, EPDM/FFKM)	0.06 psi	21 psi	232 psi	232 psi	232 psi	232 psi	232 psi	G 1/2–G 1 1/2"–1" NPT
		600H-ES		3.63 psi		580 psi	580 psi	580 psi	580 psi	580 psi	G 1/2–G 1

Material		Model	Remarks	Gases / Max. working pressures							Connection
				Opening pressure	Acetylene (A)	Oxygen (O ₂)	LPG (P)	Hydrogen (H ₂)	Natural Gas (M)	Nitrogen (N ₂)	
Stainless steel		NV300-ES		0.06 psi	232 psi	232 psi	232 psi	232 psi	232 psi	232 psi	G 1.-G1.1/4
		ULTRA 30		0.07 psi		290 psi	290 psi	290 psi	290 psi	290 psi	G 1.1/2 1.1/2" NPT
		ULTRA 32	free combination of materials for housing (brass, stainless steel, aluminum) and seal (NBR/CR, FPM/FKM, EPDM/FFKM)	0.07 psi	22 psi	290 psi	290 psi	290 psi	290 psi	290 psi	G 1.1/2 1.1/2" NPT
		NV 400-ES		0.06 psi		232 psi	232 psi	326 psi	232 psi	232 psi	G 1.1/2-G 2
		ULTRA 40		0.07 psi		290 psi	290 psi	290 psi	290 psi	290 psi	G 2.1/2 2.1/2" NPT
		ULTRA 42	free combination of materials for housing (brass, stainless steel, aluminum) and seal (NBR/CR, FPM/FKM, EPDM/FFKM)	0.07 psi		290 psi	290 psi	290 psi	290 psi	290 psi	G 2.1/2 2.1/2" NPT
		800-ES		14,5 psi		3480 psi		232 psi		4350 psi	1/4" NPT

**A SAFE GAS SUPPLY WITH
NON RETURN VALVES**



Material		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 VdTUV-bulletin 100	TUV certification
Stainless steel		AV 619-ES		0.07 psi–7.25 psi	G 1/2–G 1	G 1/2–G 1		X			X
		AV919-ES		0.07 psi–7.25 psi	G 2	G 2					X
Aluminium anodized		AV 919		0.07 psi–7.25 psi	G 2	G 2					X

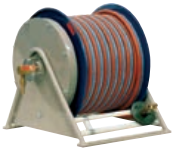
THE MOST EFFECTIVE PROTECTION AGAINST OVERPRESSURE



Application		Model	Remarks	Gases / Max. working pressures /Flows					Safety elements		
				Acetylene (A)	Oxygen (O ₂)	LPG (P)	Hydrogen (H ₂)	Natural Gas (M)	Other gases / inert gases	Inlet Gas Filter – depending on connection	Non-Return Valve (NV)
Couplings for torch, hose, outlet point		SK100-1/-2 body	With automatic cut-off valve	21 psi / 441 scfh	290 psi	290 psi	290 psi	290 psi	290 psi	X	X
		SK100-3 body	With automatic cut-off valve	21 psi / 441 scfh	290 psi	290 psi	290 psi	290 psi	290 psi		
		Keymark coupling	With automatic cut-off valve	21 psi / 441 scfh	290 psi	290 psi	290 psi	290 psi	290 psi		
		SK100-1 probe		21 psi / 441 scfh	290 psi	290 psi	290 psi	290 psi	290 psi		
		SK100-2/-3 probe		21 psi / 441 scfh	290 psi	290 psi	290 psi	290 psi	290 psi		

Application		Model	Remarks	Gases / Max. working pressures / Flows					
				Acetylene (A)	Oxygen (O ₂)	LPG (P)	Hydrogen (H ₂)	Natural Gas (M)	Carbon dioxide (CO ₂)
Gas Filter outlet points		622	Fineness 40 micrometer	21 psi / 2188 scfh	232 psi	232 psi	232 psi	232 psi	
Gas Filter for pipelines		77 with bronze element	Bronze filter element, fineness 5 or 50 micrometer, condensate drain	21 psi / 11013 scfh	580 psi	725 psi	725 psi	725 psi	362 psi
		77	Nickel chromium filter element, fineness 0.5, 7-10 or 40 micrometer	21 psi / 16166 scfh	435 psi	725 psi	725 psi	725 psi	362 psi
		625	Condensate outlet, fineness 40 micrometer	21 psi / 16166 scfh	145 psi	362 psi	362 psi	362 psi	
Stainless Steel		HD Gas Filter	Nickel chromium filter element, fineness 30 or 80 micrometer	362 psi	725 psi	4351 psi	4351 psi	4351 psi	1450 psi
		LE 6	Bronze filter element, fineness 15 micrometer		435 psi	580 psi	580 psi	580 psi	362 psi

	Model	Remarks	For all technical gases				
			Minimum inlet pressure	Maximum inlet pressure	Maximum flow capacity	Mixing range	Mixing precision
	KM 100	For 2 or 3 Gases. Option: mounted on buffer tank	29 psi	290 psi	1517 scfh	0-100 %	better +/- 1% abs.
 	MG 50 - MG 500	For 2 or 3 Gases. Option: mounted on buffer tank	43 psi	290 psi	3530 scfh- 33180 scfh	0-25 % or 0-100 %	better +/- 1% abs.

Application		Model	Remarks	Gases / Max. working pressures / flows						
				Acetylene (A)	Oxygen (O ₂)	LPG (P)	Hydrogen (H ₂)	Natural Gas (M)	Flame Arrestor (FA)	Temperature activated Cut-off Valve (TV)
Decomposition Arrestors		FN12 / FN40		21 psi / 2237 scfh 21 psi / 4200 scfh					X	X
Automatic slam shut valve		HDS 17	Pressure regulated	362 psi / 6883 scfh						
Ball valve		DN6 – DN100		Pressures upon request						
Hose reel		DS Automatik	Safety hose reel for fuel gases and oxygen. Different sizes available	X	X	X	X	X		
Test equipment		722 / 743	For flashback arrestors and non-return valves							

OUR PRODUCT RANGE

GAS CONTROL EQUIPMENT

- Gas mixing systems
- Gas metering systems
- Gas analyzers
- Leak detection systems
- Gas pressure vessels
- Engineering of customized systems

GAS SAFETY EQUIPMENT

- Flashback arrestors
- Non-return valves / check valves
- Quick couplers
- Safety relief valves
- Stainless steel devices
- Gas filters
- Pressure regulators
- Outlet points
- Lance holders
- Ball valves
- Automatic hose reels
- Test equipment
- Accessories
- Customized safety equipment

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