



inter@ctive

CATALOGUE

2014

valid from Jan. 01, 2014



 Do you already know...



... the new WITT company video?

Get to know WITT better than before: See what WITT has achieved in nearly 70 years of its company history. Have a look on our production site in Witten, Germany. And discover our large product range.

Download at ► www.wittgas.com ► downloads ► videos
or at Youtube

For an overview of our information material see p. 74-75

Quality products from WITT

Your benefits:

- 100 % quality inspection of all products leaving our factory
- Certificates: DIN EN ISO 9001, DIN EN 22000 as well as PED 97/23/EG, ATEX 94/9/EG, ISO 5175 and UL
- State-of-the-art technologies and elaborate quality assurance systems
- Easy, intuitive operation, ergonomics, integration capabilities and cost effectiveness
- Engineered products tailored exactly to your needs
- Individual solutions for your applications

Our product range

In this product overview you will find the standard construction of our main models and series. Furthermore we offer special custom designed products adhering to individual specifications.

Please feel free to contact us.

Examples for individual specifications:

Gas mixers

- setting of gas mixture and other parameters
- measurement of consumption
- data transmission via modem, WIFI, etc. coupling to bus
- alarm message via tel. / Fax / SMS
- unique requirements

Safety devices

- especially high or low pressures and/or flow rates
- special connections
- different types of gases
- unique requirements

You have questions?

We provide you with qualified answers!

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witt@wittgas.com



... our free App for your smartphone?

iGASES is an interactive lexicon for technical gases which offers quick answers to your questions:

- important physical-chemical characteristics (density, steam pressure, ignition range, thermal conductivity, safety information)
- unit converter for important values such as pressure, volume (flow), temperature, mass into international units
- direct access to the WITT data sheets
- dialog tool to the specialists of WITT
- **NEW** flow calculation



Download at google play or app store

For an overview of our information material see p. 74-75



iGases for
Android



iGases for
Apple

Gas Control Equipment

1. Gas mixers for non-flammable gases	6
2. Gas flow control systems for non-flammable gases	12
3. Gas mixers for flammable gases	13
4. Gas mixers for medical applications	15
5. Mixed gas receivers	16
6. Gas analysers	18
7. Leak detection equipment	24

Gas Safety Equipment

8. Flashback arrestors for pressure regulators, outlet points and pipelines	26
9. Flashback arrestors for torches	30
10. Flashback arrestors for cutting machines	33
11. Flashback arrestors for high flows	34
12. Flashback arrestors for central gas supply	36
13. Quick couplers	38
14. Non-return valves	41
15. Safety relief valves	43
16. Stainless steel devices	45
17. Pressure regulators	50
18. Mobile pressure regulating stations	54
19. Stationary pressure regulating stations	55
20. Outlet points	56
21. Test rigs	58
22. Equipment for oxygen lancing	59
23. Gas filters	61
24. Ball valves	63
25. Safety hose reels	66
26. Accessories	67

Miscellaneous

Trainings	73
Certifications, documentations and instruction manuals	73
General Terms and Conditions	73
Conversion of measuring units	73
WITT information material - overview	74

1. GAS MIXERS for non-flammable gases

KM20 ECO	2 gases	small flows
 KM20 ECO	Small Gas mixer especially for dispensing equipment • variable mixture output • pre-set gas blends • various flow capacities	KM20 ECO KM 20-1 ECO with one outlet KM 20-2 ECO with two outlets

MM	2 gases	small to medium flows
 MM-2	Compact Gas mixer for different applications • adjustable mixing valve • mixed gas flow dependent on inlet pressures • various flow capacities	MM-2 MM-2K MM-2G

MM-Flex	2 gases	small to medium flows
 MM-Flex	Very compact Gas mixer for different applications, e.g. for welding applications • adjustable mixing valve • adjustable metering valve • adjustable pressure	MM-Flex MM-Flex

BM	2 gases	small flows
 BM-2M	Gas mixer for direct cylinder connection (high pressure) • constant output • infinitely variable gas blending • infinitely variable metering • no additional pressure regulator required • various flow capacities	BM-2 BM-2M (200 BAR) BM-2M (300 BAR)

1. GAS MIXERS for non-flammable gases

KM10-2 Flex	2 gases	small flows
NEW  KM10-2 Flex	Small gas mixer especially for little gas consumption, e.g. in laboratory applications • variable mixture output • variable gas blending • various flow capacities • new mixing technology, mixed gas receiver is not required	KM10-2 Flex KM10-2 Flex

MG Fix	2 or 3 gases	medium to high flows
 MG Fix Picture shows optional equipment	Pre-set 2- or 3-components gas mixers • variable mixture output • mixing range dependent on type of gas • new mixing technology, mixed gas receiver is not required	MG-2 Fix for 2 gases MG 25-2 capacity range up to approx. 21 Nm³/h MG 45-2 capacity range up to approx. 48 Nm³/h MG 75-2 capacity range up to approx. 65 Nm³/h MG 95-2 capacity range up to approx. 96 Nm³/h MG 125-2 capacity range up to approx. 135 Nm³/h
		MG-3 Fix for 3 gases MG 45-3 capacity range up to approx. 48 Nm³/h MG 95-3 capacity range up to approx. 96 Nm³/h MG 125-3 capacity range up to approx. 135 Nm³/h
		options: alarm module NXT+ alarm module NXT+ (for EEx)

MG Flex	2 gases	medium to high flows
 MG Flex Picture shows optional equipment	Adjustable 2- components gas mixers for welding applications • variable mixture output • mixing range dependent on type of gas • new mixing technology, mixed gas receiver is not required	MG-2 Flex MG 25-2 capacity range up to approx. 21 Nm³/h MG 45-2 capacity range up to approx. 48 Nm³/h MG 75-2 capacity range up to approx. 65 Nm³/h MG 95-2 capacity range up to approx. 96 Nm³/h MG 125-2 capacity range up to approx. 135 Nm³/h
		options: alarm module NXT+ alarm module NXT+ (for EEx)

KM	2 or 3 gases	small to medium flows
 KM20-2	Mixing system for different technical applications • constant output • infinitely variable gas blending • infinitely variable metering • various flow capacities	KM-2 for 2 gases KM 20-2 KM 30-2 KM 60-2 KM 100-2
		KM-3 for 3 gases KM 20-3 KM 30-3 KM 60-3 KM 100-3

1. GAS MIXERS for non-flammable gases

KM - M

2 or 3 gases

medium to high flows



KM100-2M

Gas mixer especially for MAP-packaging and flow-pack machines

Features see model KM (see above) plus:

- regulation of outlet pressure
- monitoring of gas supply
- integrated inlet pressure monitoring (alarm module NXT+)



for food-grade gases, conforms to 1935/2004

KM-2M for 2 gases

KM 100-2M
KM 200-2M
KM 300-2M
KM 600-2M

KM-3M for 3 gases

KM 100-3M
KM 200-3M
KM 300-3M
KM 600-3M
optional: automatic shut-off of O₂ when going below the limit

KM - ME

2 or 3 gases

low to very high flows



KM100-2ME
on steel receiver

Picture shows optional equipment

KM-2ME for 2 gases

KM100-2ME
KM100-2ME mounted on 20 l / 10 BAR steel receiver
KM100-2ME mounted on 20 l / 10 BAR stainless steel receiver
KM100-2ME mounted on 100 l / 10 BAR steel receiver
KM100-2ME mounted on 100 l / 10 BAR stainless steel receiver

KM-3ME for 3 gases

KM100-3ME
KM100-3ME mounted on 20 l / 10 BAR steel receiver
KM100-3ME mounted on 20 l / 10 BAR stainless steel receiver
KM100-3ME mounted on 100 l / 10 BAR steel receiver
KM100-3ME mounted on 100 l / 10 BAR stainless steel receiver

options:

alarm module NXT+
surcharge for analog pressure transmitter for 2 inlet gases
surcharge for analog pressure transmitter for 3 inlet gases

Powerful gas mixer especially for highly fluctuating mixing gas output quantities

- adjustable mixing valve
- with receiver pressure management for use with mixed gas receiver
- also for central gas supply installations
- various flow capacities
- alarm module NXT+ (optional): integrated inlet pressure monitoring with digital display for pressure (with analog pressure transmitters) plus optical alarm, adjustable alarm limits, obligation of acknowledgement, protection of alarms, interfaces for controlling external alarms etc.

KM - M +

2 or 3 gases

medium to high flows



KM100-2M+

Gas mixer especially for MAP-packaging and flow-pack machine

Features see model KM-M (see above) plus:

- communication by serial interface (e.g. PDA, PLC, PC)
- incl. communication software via PC



for food-grade gases, conforms to 1935/2004

KM-2M+ for 2 gases

KM 100-2M+
KM 200-2M+

KM-3M+ for 3 gases

KM 100-3M+
KM 200-3M+

option:

coupling socket set

1. GAS MIXERS for non-flammable gases

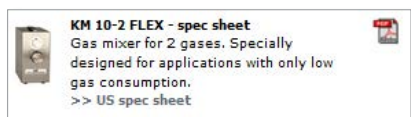
KM-Flow	2 or 3 gases	medium to high flows
 KM-Flow with analyser	Gas mixer especially for MAP-packaging and flow-pack machines • electronic Mass Flow Controller (MFC) • touchscreen • measured data storage • may be combined with analysis MAPY LE  for food-grade gases, conforms to 1935/2004	KM-Flow for 2 gases KM-Flow for flow-pack machines KM-Flow for vacuum machines
		KM-Flow for 3 gases KM-Flow for flow-pack machines KM-Flow for vacuum machines

MG-2ME	2 gases	low to very high flows
 MG50-2ME on steel receiver Picture shows optional equipment	MG-2ME MG50-2ME MG50-2ME mounted on 100 l / 10 BAR steel receiver MG50-2ME mounted on 100 l / 10 BAR stainless steel receiver MG100-2ME MG100-2ME mounted on 250 l / 11 BAR steel receiver MG100-2ME mounted on 250 l / 11 BAR stainless steel receiver MG200-2ME (see option "external filter") options: alarm module NXT+ external filter as additional protection for each gas inlet recommended for MG 50 and MG 100; mandatory for MG 200 surcharge for analog pressure transmitter for 2 inlet gases	Powerful gas mixer especially for high flows and highly fluctuating mixing gas output quantities • adjustable mixing valve • various flow capacities • with receiver pressure management for use with mixed gas receiver • also for central gas supply installations • alarm module NXT+ (optional): integrated inlet pressure monitoring with digital display for pressure (with analog pressure transmitters) plus optical alarm, adjustable alarm limits, obligation of acknowledgement, protection of alarms, interfaces for controlling external alarms etc.



Do you already know...

... that we provide a lot of our information material with American measuring units too?



If you are used to

- **PSI** for measuring pressure (instead of BAR) and
- **SCFH** for measuring the flow rate (instead of m³/h)

have a look at the download section of our website. Choose „English“ as your language, the US versions will be shown beneath if available. Click directly on the link.

See also conversion key on p. 73

1. GAS MIXERS for non-flammable gases

MG-3ME

3 gases

low to very high flows



MG50-3ME



alarm module NXT+

Powerful gas mixer especially for high flows and highly fluctuating mixing gas output quantities

- adjustable mixing valve
- various flow capacities
- with receiver pressure management for use with mixed gas receiver
- also for central gas supply installations
- alarm module NXT+ (optional): integrated inlet pressure monitoring with digital display for pressure (with analog pressure transmitters) plus optical alarm, adjustable alarm limits, obligation of acknowledgement, protection of alarms, interfaces for controlling external alarms etc.

MG-3ME

MG50-3ME

MG50-3ME mounted on 100 l / 10 BAR steel receiver

MG50-3ME mounted on 100 l / 10 BAR stainless steel receiver

MG100-3ME

MG100-3ME mounted on 250 l / 11 BAR steel receiver

MG100-3ME mounted on 250 l / 11 BAR stainless steel receiver

MG200-3ME (see option „external filter“)

options:

alarm module NXT+

external filter as additional protection for each gas inlet recommended for MG 50 and MG 100; mandatory for MG 200

surcharge for analog pressure transmitter for 3 inlet gases

KM-MEM

2 or 3 gases

low to high flows



KM100-2MEM

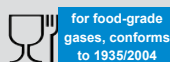


KM100-3MEM

Powerful gas mixer especially for MAP- and vacuum-packaging machines and highly fluctuating mixing gas output quantities

Features see model ME (see above) plus:

- integrated inlet pressure monitoring (alarm module NXT+)
- monitoring of gas supply
- to be used with mixed gas receiver, incl. inlet pressure monitoring



KM-2MEM for 2 gases

KM100-2MEM

KM100-2MEM mounted on 20 l / 10 BAR steel receiver

KM100-2MEM mounted on 20 l / 10 BAR stainless steel receiver

KM200-2MEM

KM200-2MEM mounted on 20 l / 10 BAR steel receiver

KM200-2MEM mounted on 20 l / 10 BAR stainless steel receiver

KM-3MEM for 3 gases

KM100-3MEM

KM100-3MEM mounted on 20 l / 10 BAR steel receiver

KM100-3MEM mounted on 20 l / 10 BAR stainless steel receiver

KM200-3MEM

KM200-3MEM mounted on 20 l / 10 BAR steel receiver

KM200-3MEM mounted on 20 l / 10 BAR stainless steel receiver

option:

automatic shut-off of O₂ when going below the limit

1. GAS MIXERS for non-flammable gases

KM-MEM+

2 or 3 gases

low to high flows



KM100-2MEM+

KM-2MEM+ for 2 gases

- KM100-2MEM+
- KM100-2MEM+ mounted on 20 l / 10 BAR steel receiver
- KM100-2MEM+ mounted on 20 l / 10 BAR stainless steel receiver
- KM200-2MEM+
- KM200-2MEM+ mounted on 20 l / 10 BAR steel receiver
- KM200-2MEM+ mounted on 20 l / 10 BAR stainless steel receiver

option: coupling socket set

KM-3MEM+ for 3 gases

- KM100-3MEM+
- KM100-3MEM+ mounted on 20 l / 10 BAR steel receiver
- KM100-3MEM+ mounted on 20 l / 10 BAR stainless steel receiver
- KM200-3MEM+
- KM200-3MEM+ mounted on 20 l / 10 BAR steel receiver
- KM200-3MEM+ mounted on 20 l / 10 BAR stainless steel receiver

option: coupling socket set

Electronic gas mixing system with motor driven mixing valve especially for MAP- and vacuum packaging machines

Features see model KM-MEM (see above) plus:

- communication by serial Interface (e.g. PDA, PLC, PC), incl. software
- to be used with mixed gas receiver, incl. inlet pressure monitoring



for food-grade
gases, conforms
to 1935/2004



Do you wish a quotation...

... for your gas mixing construction?

To find out which mixer is suitable for you, just fill in our questionnaire with your special requirements regarding types of gases, mixing settings, flows, pressures etc.

You will soon get a quotation, which is tailored exactly to your needs.

Request for an offer see ► www.wittgas.com ► gas control equipment ► gas mixers

For an overview of our information material see p. 74-75

2. GASFLOW CONTROL SYSTEMS for non-flammable gases

KD

gas flow controller with O₂-analysis



KD500-1A MAPY ZRL

Electronical flow control systems for modified atmospheres in the food industry

- with integrated zirconia cell for O₂-measuring
- integrated PID control loop for automatic gas flow control
- potential free contacts for min./ max. alarms



KD

KD500-1A MAPY ZRL

options:

- sample testing via needle
- additional electrochemical sensor for sample testing
- heater and thermostat, only electro-chemical sensors

KM-MAPY ZRL

gas mixer and meterer



KM100-2M MAPY ZRL

KM-2M MAPY ZRL

KM100-2M MAPY ZRL
KM200-2M MAPY ZRL
KM300-2M MAPY ZRL
KM600-2M MAPY ZRL

options:

gas mixer with M+ (remote control)

2-components gas mixers with integrated O₂ analysis

Features see model KD plus:

- MAPY-analysis (see p. 20)
- potential free contacts



27/11/2013

 Do you already know...

... our overview about „Thermal processing“?

Thermal processes require a special gas management. Therefore, WITT offers the techniques and devices for safety, mixing, regulating and measuring, from the central gas supply up to the burner.

Download at ► www.wittgas.com ► downloads ► thermal processing

For an overview of our information material see p. 74-75



3. GAS MIXERS for flammable gases

KM10-2 Flex

2 gases

small flows

NEW



KM10-2 Flex

Small gas mixer especially for little gas consumption, e.g. in laboratory applications

- variable mixture output
- variable gas blending
- various flow capacities
- new mixing technology, mixed gas receiver is not required

KM10-2 Flex

KM10-2 Flex

KM

2 or 3 gases

small to medium flows



KM20-3

Gas mixing systems for different applications, e.g. for welding applications

- infinitely variable gas blending
- variable mixture output
- various flow capacities
- certified according to ATEX

KM-2 for 2 gases (1 gas flammable)

KM 20-2
KM 30-2
KM 60-2
KM 100-2

KM-3 for 3 gases (2 gases flammable)

KM 20-3
KM 30-3
KM 60-3
KM 100-3

KM-ME (EEx)

2 or 3 gases

low to very high flows



KM100-3ME (EEx)



GC 50
(with integrated analysis)



alarm module NXT+

KM-2ME (EEx) for 2 gases

KM100-2ME (EEx)
KM100-2ME (EEx) A, with integrated analysis (see chapter „Gas analysers“)
KM100-2ME (EEx) mounted on 20 l / 10 BAR steel receiver
KM100-2ME (EEx) mounted on 20 l / 10 BAR stainless steel receiver
KM100-2ME (EEx) mounted on 100 l / 10 BAR steel receiver
KM100-2ME (EEx) mounted on 100 l / 10 BAR stainless steel receiver

KM-3ME (EEx) for 3 gases

KM100-3ME (EEx)
KM100-3ME (EEx) mounted on 20 l / 10 BAR steel receiver
KM100-3ME (EEx) mounted on 20 l / 10 BAR stainless steel receiver
KM100-3ME (EEx) mounted on 100 l / 10 BAR steel receiver
KM100-3ME (EEx) mounted on 100 l / 10 BAR stainless steel receiver

options:

alarm module NXT+ (for EEx)
surcharge for analog pressure transmitters EEx, 2 inlet gases
surcharge for analog pressure transmitters EEx, 3 inlet gases

Powerful gas mixers especially for highly fluctuating mixing gas output quantities

Features see KM (see above) plus:

- separate electrical control panel
- 5 m cable between control unit and mixing device
- certified according to ATEX
- model A with integrated analysis, LC-display, 4-20 mA signal and min./max. alarms (further informations see chapter 6 „Gas analysers“)
- alarm module NXT+ (optional): integrated inlet pressure monitoring with digital display for pressure (with analog pressure transmitters) plus optical alarm, adjustable alarm limits, obligation of acknowledgement, protection of alarms, interfaces for controlling external alarms etc.

3. GAS MIXERS for flammable gases

MG-ME (EEx) 2 or 3 gases low to very high flows



MG100-3ME (EEx)
MG200-2ME/-3ME (EEx)



GC 50
(with integrated
analysis)



alarm module NXT+

Powerful gas mixers especially for highly fluctuating mixing gas output quantities

Features see KM (see above) plus:

- separate electrical control panel
- 5 m cable between control unit and mixing device
- certified according to ATEX
- model A with integrated analysis, LC-display, 4-20 mA signal and min./max. alarms (further informations see chapter 6 „Gas analysers“)
- alarm module NXT+ (optional): integrated inlet pressure monitoring with digital display for pressure (with analog pressure transmitters) plus optical alarm, adjustable alarm limits, obligation of acknowledgement, protection of alarms, interfaces for controlling external alarms etc.

MG-2ME (EEx) for 2 gases

- MG50-2ME (EEx)
- MG50-2ME (EEx) A, with integrated analysis (see chapter „Gas analysers“)
- MG50-2ME (EEx) mounted on 100 l / 10 BAR steel receiver
- MG50-2ME (EEx) A, with integr. analysis, mounted on 100 l/10 BAR steel receiver
- MG50-2ME (EEx) mounted on 100 l / 10 BAR stainless steel receiver
- MG50-2ME (EEx) A, with integr. analysis, mounted on 100 l/10 BAR stainl. steel rec.
- MG100-2ME (EEx)
- MG100-2ME (EEx) A, with integrated analysis
- MG100-2ME (EEx) mounted on 250 l / 11 BAR steel receiver
- MG100-2ME (EEx) mounted on 250 l / 11 BAR stainless steel receiver
- MG200-2ME (EEx) (see option „external filter“)
- MG200-2ME (EEx) A, with integrated analysis (see option „external filter“)

MG-3ME (EEx) for 3 gases

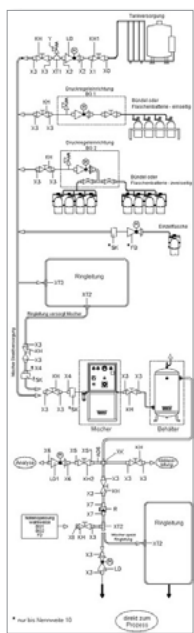
- MG50-3ME (EEx)
- MG50-3ME (EEx) mounted on 100 l / 10 BAR steel receiver
- MG50-3ME (EEx) mounted on 100 l / 10 BAR stainless steel receiver
- MG100-3ME (EEx)
- MG100-3ME (EEx) mounted on 250 l / 11 BAR steel receiver
- MG100-3ME (EEx) mounted on 250 l / 11 BAR stainless steel receiver
- MG200-3ME (EEx) (see option „external filter“)

options:

- alarm module NXT+ (for EEx)
- external filter as additional protection for each gas inlet recommended for MG 50 and MG 100; mandatory for MG 200
- surcharge for analog pressure transmitters EEx, 2 inlet gases
- surcharge for analog pressure transmitters EEx, 3 inlet gases

27/11/2013

 Do you already know...



... our system „Installation kit for gas mixers“?

This system is an example showing different possibilities for the construction of a gas mixing plant using copper pipe, from the gas feeding up to the process: gas supply from receivers, from one- or two-sided bundles or from single cylinders. As direct supply or by circular pipelines. With downstream analysis, blow-off pipelines etc.

For further questions please contact our experts.

Download at ► www.wittgas.com ► service ► installation kit example

For an overview of our information material see p. 74-75

4. GAS MIXERS for medical applications

MED-MG

for synthetic air



MG50-2ME GB A

MED-MG

MED-MG 50-2ME GB A

MED-MG 100-2ME GB A

MED-MG 200-2ME GB A

MED-MG 500-2ME GB A **NEW**

each with 2 gas filters 077 and printed operation manual

options:

automatic calibration

heating (for low ambient temperatures)

Worldwide and longterm proved gas mixing system for the production of synthetic air for medical applications

- according to DIN EN ISO 7396-1 chapter 3.27
- medical product class IIb, CE identification marking according to EG 93/42/EWG
- various flow capacities
- to be used with mixed gas receiver, incl. inlet pressure monitoring
- also for central gas supply installations
- integrated oxygen analyser, redundant design
- various system surveillances
- housing IP55

27/11/2013

 Do you already know...



... our brochure „MED-MG“?

Learn everything about our top-model for the production and quality control of synthetic air for medical applications

Download at ► www.wittgas.com ► downloads ► brochures

For an overview of our information material see p. 74-75

5. MIXED GAS RECEIVERS

Steel receivers

without safety devices and connections



steel receiver, vertical,
without safety devices and connections

volume	pressure	design
20 litres	10 BAR	horizontal
20 litres	16 BAR	horizontal
100 litres	10 BAR	horizontal
100 litres	21 BAR	horizontal
250 litres	11 BAR	horizontal
500 litres	11 BAR	vertical
1.000 litres	11 BAR	vertical
1.000 litres	16 BAR	vertical
2.000 litres	11 BAR	vertical
2.000 litres	16 BAR	vertical

Receivers 20 - 250 l: ground coated, pickled, passivated
Receivers 500 - 2.000l: powder coated

- oil- and greaseless inside
- using humid gases or oxygen, the receiver may corrode
- certificate of CE-conformity conforms to PED for receivers
- operation temperatures -15°C up to +50°C

Stainless steel receivers

without safety devices and connections



stainless steel receiver, horizontal,
without safety devices and connections

volume	pressure	design
20 litres	10 BAR	horizontal
20 litres	16 BAR	horizontal
100 litres	10 BAR	horizontal
100 litres	16 BAR	horizontal
100 litres	21 BAR	horizontal
250 litres	11 BAR	horizontal
250 litres	16 BAR	horizontal
250 litres	21 BAR	horizontal
500 litres	11 BAR	vertical
500 litres	16 BAR	vertical
1.000 litres	11 BAR	vertical
1.000 litres	16 BAR	vertical
2.000 litres	11 BAR	vertical
2.000 litres	16 BAR	vertical

Stainless steel, not coated

- oil- and greaseless inside
- recommended especially for high oxygen concentrations (>21%+)
- certificate of CE-conformity conforms to PED for receivers
- operation temperatures -196°C up to +50°C

5. MIXED GAS RECEIVERS

Steel receivers

incl. safety devices and connections



steel receiver, vertical,
incl. safety devices and connections

volume	pressure	design	blow-off output SV*
20 litres	10 BAR/145 PSI	horizontal	117 Nm³/h
20 litres	16 BAR/232 PSI	horizontal	181 Nm³/h
100 litres	10 BAR/145 PSI	horizontal	117 Nm³/h
100 litres	21 BAR/304 PSI	horizontal	181 Nm³/h
250 litres	11 BAR/159 PSI	horizontal	523 Nm³/h
500 litres	11 BAR/159 PSI	vertical	523 Nm³/h
1.000 litres	11 BAR/159 PSI	vertical	1880 Nm³/h
1.000 litres	16 BAR/232 PSI	vertical	1750 Nm³/h
2.000 litres	11 BAR/159 PSI	vertical	2490 Nm³/h
2.000 litres	16 BAR/232 PSI	vertical	3265 Nm³/h

* blow-off output of the safety relief valve, different rates on demand, against surcharge

surcharge for gas mixer mounted on receiver (up to max. 250 litres)

option for receiver-gas mixer-units:
TÜV approval conforms to PED 97/23/EG, Modul G

With ground coat, pickled, passivated

- oil- and greaseless inside
- using humid gases or oxygen, the receiver may corrode
- incl. safety relief valve
- up to 250l available as a unit with gas mixer
- certificate of CE-conformity conforms to PED for receivers
- operation temperatures -15°C up to +50°C
- operation temperatures of safety relief valve -15°C up to +50°C

Stainless steel receivers

incl. safety devices and connections



Stainless steel receiver, horizontal
incl. safety devices and connections

volume	pressure	design	blow-off output SV*
20 litres	10 BAR	horizontal	117 Nm³/h
20 litres	16 BAR	horizontal	181 Nm³/h
100 litres	10 BAR	horizontal	117 Nm³/h
100 litres	16 BAR	horizontal	181 Nm³/h
100 litres	21 BAR	horizontal	276 Nm³/h
250 litres	11 BAR	horizontal	523 Nm³/h
250 litres	16 BAR	horizontal	741 Nm³/h
250 litres	21 BAR	horizontal	276 Nm³/h
500 litres	11 BAR	vertical	523 Nm³/h
500 litres	16 BAR	vertical	741 Nm³/h
1.000 litres	11 BAR	vertical	1880 Nm³/h
1.000 litres	16 BAR	vertical	1750 Nm³/h
2.000 litres	11 BAR	vertical	2490 Nm³/h
2.000 litres	16 BAR	vertical	3265 Nm³/h

* blow-off output of the safety relief valve

Different blow-off rates and safety relief valves for different temperatures (-196° up to +50°C), against surcharge

Surcharge for Gas mixer mounted on receiver (up to max. 250 litres)

option for receiver-gas mixer-units:
TÜV approval conforms to PED 97/23/EG, Modul G

Stainless steel, not coated

- oil- and greaseless inside
- recommended for high oxygen concentrations (>21%+)
- incl. safety relief valve
- up to 250l available as a unit with gas mixer
- certificate of CE-conformity conforms to PED for receivers
- operation temperatures -196°C up to +50°C
- operation temperatures of safety relief valve -15°C up to +50°C

6. GAS ANALYSERS

OXYBABY® M+



OXYBABY® M+

Compact handheld analyser e.g. for sample testing of MAP-packages

- quick and precise
- data log of 100 results (measurement, date, time, product/line no.)
- administration of product data and product names
- incl. carrying case, spare needles and filters



for food-grade
gases, conforms
to 1935/2004

portable O₂/ CO₂ gas analyser

OXYBABY® M+

OXYBABY® M+ for O₂
OXYBABY® M+ for O₂/CO₂

OXYBABY® M+ P for pressure lines

OXYBABY® M+ P for CO₂
OXYBABY® M+ P for O₂/CO₂

options:

calibration set for easy calibration of devices with needles

accessories: see below

OXYBABY® 6.0



OXYBABY® 6.0



OXYBABY® 6.0 P

Compact handheld analyser e.g. for sample testing of MAP-packages - premium model

Features see OXYBABY® M+ plus:

- minimum sample gas requirement (approx. 2ml)
- minimized response time
- measurement of pressure
- USB-interface for data transfer
- data-log of 500 results
- simplified menu navigation
- integrated needle and filter checks



for food-grade
gases, conforms
to 1935/2004

portable O₂/ CO₂ gas analyser

OXYBABY® 6.0

OXYBABY® 6.0 for O₂
OXYBABY® 6.0 for O₂/CO₂

OXYBABY® 6.0 P for pressure lines

OXYBABY® 6.0 P for CO₂
OXYBABY® 6.0 P for O₂/CO₂

options:

calibration set for easy calibration of devices with needles

bluetooth for OXYBABY®

bluetooth adapter for PC

bluetooth printer

integrated barcode-reader

analysis software OXYBABY® CONTROL CENTER

further accessories: see below



product video see

► www.wittgas.com ► downloads ► videos
or youtube

Table-rack



Tischständer

In addition to using the OXYBABY® as a handheld device, it may be used also on table-top. Thereby, the needle is connected to the OXYBABY® with a connector tube

- suitable to all OXYBABY® models
- to be used also for keeping
- with needle deposit

for OXYBABY®

OXYBABY®-Accessories

table-rack for OXYBABY® for the use as table-top unit

connector tube with Luer-Lok-connection for the use as table-top unit

6. GAS ANALYSERS

OXYBABY®-Accessories

for analysing special packages



Image exemplary
Oxybaby® and bottle not included

Special packages are hardly controllable by standard analysis devices. Therefore WITT offers a special construction which is suitable for all OXYBABY® models

- for head space analysis of cans and bottles, with or without CO₂
- for O₂ and CO₂ analysis of mini packages, e.g. capsules

OXYBABY®-Accessories

Canpiercer for cans and bottles (with set for head space analysis)

application	needle length	max. piercing height
• cans (without CO ₂)	5,5 mm	270 mm
• cans, bottles (without CO ₂), incl. ①	8,5 mm	270 mm
• cans, bottles (without CO ₂), incl. ①	8,5 mm	390 mm
• cans (with CO ₂), incl. ②	5,5 mm	270 mm
• cans, bottles (without CO ₂), incl. ①	5,5 mm	390 mm
• cans, bottles (pressurized), incl. ①	5,5 mm	390 mm

Canpiercer-modules (for refitting):

- ① bottle adapter
- ② calibration module and flow control (for conversion to beverages containing CO₂)

Aquacheck

equipment for the gas analysis of mini packages

Aquacheck Plus

Aquacheck incl. water container

PA 7.0

table-top O₂ / CO₂ gas analyser

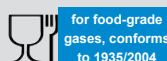


PA 7.0

Picture shows optional equipment

Compact table-top analyser for sample- and continuous testing of food packages (MAP) and for welding applications

- different designs: P (pressure), L (lance) and S (sample)
- connector set (output and alarm signals)
- with zirconia measuring cell for O₂ for quicker measurements



PA 7.0

PA 7.0 for O ₂	version P or L
PA 7.0 for CO ₂	version P or L
PA 7.0 for O ₂ /CO ₂	version P or L
PA 7.0 for O ₂	version S
PA 7.0 for O ₂	version S and L
PA 7.0 for O ₂ /CO ₂	version S
PA 7.0 for O ₂ /CO ₂	version S and L

options:

- handle
- coupling socket set (output signals; alarm contacts)
- analysis software GASCONTROL CENTER
- integration of the analysing system in the mixer housing
- zirconia measuring cell for O₂
- integrated barcode-reader
- heating and thermostat, only electro-chemical sensors
- paramagnetic sensor

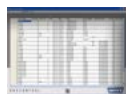
6. GAS ANALYSERS

MAPY 4.0

table-top O₂ / CO₂ gas analyser



MAPY 4.0
inclined display



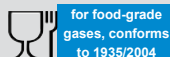
GASCONTROL CENTER



MAPY LE
vertical display

Premium table-top analyser for sample- and continuous testing of food packages (MAP)

- for use in laboratory (housing with inclined display) and in production line (housing with vertical display)
- different designs: P (pressure), L (lance) and S (sample)
- connector set (output and alarm signals)
- with zirconia measuring cell for O₂ for quicker measurements



MAPY 4.0

MAPY 4.0	O ₂	version P or L
MAPY 4.0	CO ₂	version P or L
MAPY 4.0	O ₂ /CO ₂	version P or L
MAPY 4.0	O ₂	version S
MAPY 4.0	O ₂	version S and L
MAPY 4.0	O ₂ /CO ₂	version S
MAPY 4.0	O ₂ /CO ₂	version S and L

options:

- zirconia measuring cell
- paramagnetic measuring cell (incl. larger housing)
- external barcode-reader
- analysis software GASCONTROL CENTER
- fully automatic calibration 1 channel
- fully automatic calibration 2 channels
- heating and thermostat, only electro-chemical sensors
- different Ethernet cables (only for MAPY in vertical housing)

Gas analysis

integrated with gas mixer



GC 50

Gas Analysers based on Thermal Conductivity Sensors for H₂, He, etc. to be combined with WITT gas mixers

- gas mixer and analyser as a compact unit
- integrated analysis with LCD display touch-screen
- min./max. alarms
- for flammable gases certified to ATEX

gas analysis for gas mixers

- basic model
- basic model with additional cut-off valve for flammable gases
- analyser system O₂ (chemical)
- analyser system O₂ (paramagnetic)
- analyser system CO₂ (infrared)
- analyser system O₂/CO₂ (chemical/infrared)
- analyser system O₂/CO₂ (paramagnetic/infrared)
- integration of the analysing system in the mixer housing (MG 200 without surcharge)

Options

for WITT gas analysers



installation of error
advice via e-mail

Additional functions for optimising the process

- data export and analysis
- automatic calibration
- alarm function
- error advice

options for WITT gas analysers (except MAPY and MFA)

- digital paperless chart recorder, 3 channels
- integration chart recorder in mixer
- LED-warning light with horn
- digital chart-recorder (only GC 50)
- data logger (only GC 50)
- implementation of USB interface on the back or the front of the housing
- analysis of the flow measurement (4-20mA), without flow-sensor
- automatic calibration (not for PA), 1 channel
- automatic calibration (not for PA), 2 channels
- automatic calibration in EEx-version (not for PA), 1 channel
- automatic calibration in EEx-version (not for PA), 2 channels
- error advice via e-mail (only in combination with data logger (GC50))

6. GAS ANALYSERS

MFA 9000

multigas-analyser



MFA 9000

Portable multigas-analyser especially for maintenance and service

- for analysis of up to 13 different combinations of gases
- continuous analysis
- 4-20 mA output signal
- digital display

MFA 9000

MFA 9000

Hydrobaby

mobile moisture measurement



Hydrobaby

Mobile device for analysing moisture in gases

- short response times
- dewpoint from -110° up to 20°C
- latest sensor technology
- easy navigation
- large display
- data analysis possible

Hydrobaby

Hydrobaby

options:

pressure compensation
4-20 mA outlet

MFA H₂O

stationary moisture measurement



MFA H₂O

Table-top device for analysing moisture in gases

Features see Hydrobaby plus:

- overpressure design with metering valve and flow meter
- data analysis possible

MFA H₂O

MFA H₂O

options:

pressure compensation
4-20 mA outlet
integrated vacuum pump with battery and external charger

RLA100

ambient air monitoring



RLA100

Compact ambient air monitor for the detection of CO₂

- 2 alarm limits
- 4-digit display and 4 LEDs for visual control of gas concentration
- gas measuring computer with integrated alarm device (light and horn)
- easy wall-mounting

RLA100

RLA100

6. GAS ANALYSERS

RLA1

ambient air monitor



RLA1

Compact ambient air monitoring system for the detection of O₂, CO₂, H₂ etc. incl. gas monitor, transmitter and transmitter cable

- 3 adjustable alarm limits within the measuring range
- 3-digit digital display for the visual control of the gas concentration
- easy wall-mounting

RLA1

1-channel gas monitor with alarm
1-channel gas monitor without alarm
4-channel gas monitor with alarm
4-channel gas monitor without alarm
sensor for O₂
sensor for CO₂ - no EEx
sensor for O₂ Zircos - no EEx
sensor for combustible gases H₂, methane, ethylene, propane (under explosion limit -0.50/100% UEG) - Atex: Zone 2, Cat. 3G
sensor for CO
flow adapter (recommended for calibration)
transmitter cable per meter and transmitter

option:

IP 65 version

Inlet pressure monitoring

with alarm module NXT+

NEW



separate inlet pressure monitoring

Picture exemplary

For continuous inlet pressure monitoring for maximum process-safety

- simultaneous monitoring of up to 3 gas inlets
- freely adjustable limits
- intuitive handling
- exceeding the limits generates alarm and triggers a potential free contact

Inlet pressure monitoring

separate
for flammable gases as EEx-version with separate control housing

options:

data cable
ALARM CONTROL software
surcharge for analog pressure transmitters, 2 inlet gases
surcharge for analog pressure transmitters, 3 inlet gases
LED warning light with signal-horn

27/11/2013

Come to visit us...

... at one of our food exhibitions 2014:



5th - 7th february 2014 in Berlin



8th - 14th may 2014 in Düsseldorf

We look forward to seeing you!

Our exhibition dates see ► www.wittgas.com ► service ► exhibitions

Do you already know...

... our comprehensive MAP brochures?

our MAP - portfolio



In this overview brochure we present in a compact way the different WITT product ranges on the food and packaging subject.

gas analysers



From the handy Oxybaby via the compact PA up to the award-winning MAPY: Here you find detailed information about our CO₂/O₂ gas analysers.

leak detection



Why is leak detection so important?
How does it work?
Which is the best method for me?
These and other questions are clarified in this brochure.

MAP for
fruit and vegetables



The storage and packaging of fruit and vegetables is a class of its own. Here you can read, which WITT products may support you in these special processes.

Download at ► www.wittgas.com ► downloads ► brochures

For an overview of our information material see p. 74-75

7. LEAK DETECTION EQUIPMENT

LEAK-MASTER® EASY

waterbased

NEW



LEAK-MASTER® EASY

For the detection of even the smallest leaks, without operating with trace gas

- for all flexible and stable types of packages, also without modified atmosphere
- easy, intuitive handling
- visual principle of measurement, reveals the position of the leak

LEAK-MASTER® EASY

chamber size in approx. mm (HxWxD)

EASY 1	160 x 300 x 190
EASY 2	200 x 500 x 350
EASY 3	260 x 520 x 350
EASY 45 x 620 x 480	
EASY 5	335 x 750 x 480

option:

vacuum-set
further options on demand

order no.

956.971100



product video see

► www.wittgas.com ► downloads ► videos or
youtube

LEAK-MASTER®

CO₂-based



LEAK-MASTER®

LEAK-MASTER®

chamber size in approx. mm (HxWxD)

LM 4.4.1	90 x 345 x 280
LM 4.4.2	90 x 465 x 160
LM 5.2.1	100 x 340 x 425
LM 5.2.2	100 x 460 x 305
LM 12.1.1	255 x 595 x 500
LM 12.1.2	255 x 680 x 415
LM 12.2.1	165 x 595 x 500
LM 12.2.2	165 x 680 x 415

options:

WIFI
barcode-reader
barcode-reader IP 65
analysis software GASCONTROL CENTER



GASCONTROL CENTER



barcode-reader

Fast, non-destructive detection of even the smallest leaks in MAP-packages, CO₂-based

- without using expensive helium or hydrogen
- data transfer via ethernet
- measuring range 0 ppm - 5.000 ppm
- suction capacity 50 mBAR abs.
- various chamber sizes



product video see

► www.wittgas.com ► downloads ► videos
or youtube

7. LEAK DETECTION EQUIPMENT

LEAK-MASTER® MAPMAX

inline



LEAK-MASTER® MAPMAX



barcode-reader



GASCONTROL CENTER

LEAK-MASTER® MAPMAX

size in approx. mm (HxWxD)

MAPMAX Type 400

1800 x 2000 x 1300

for the control of packages directly from the packaging machine (for trays/ thermoform packaging) or secondary packages respectively boxes up to size 340 x 600 x 400 mm

MAPMAX Type 700

1800 x 2000 x 1500

for the control of packages directly from the packaging machine (for trays/ thermoform packaging) or secondary packages respectively boxes up to size 220 x 600 x 680 mm

options:

WIFI

barcode-reader

barcode-reader IP 65

analysis software GASCONTROL CENTER

further designs, options and accessories on demand



product video see

► www.wittgas.com ► downloads ► videos or
youtube

Uniquely quick and precise inline-leak detection of packages containing CO₂

features see LEAK-MASTER® plus:

- integration in the packaging process
- automatic product positioning
- automatic product transport to the following process
- up to 15 cycles per minute

For the LEAK-MASTER® MAPMAX customised solutions and changes are to be projected.

All sizes imply: H X W X D (the width „W“ refers to the moving direction of the conveyor-belt).



Do you already know...



... our new website on the subject leak detection?

► www.leak-master.net

Learn more about quality assurance and technologies for testing
- and secure your competitive advantage!

► **contact**

Special designs, higher flow rates or different pressures on demand. Conversion of measuring units see p. 73.

Operation manual on CD included. Printed operating manual, certificate of conformity, manufacturer's certificate see p. 73

8. FLASHBACK ARRESTORS for pressure regulators, outlet points and pipelines

RF53N



Acetylene max. 13 m³/h
Fuel gases max. 68 m³/h
Oxygen max. 187 m³/h

EN 730-1

[FA] [NV] [TV]

connection	inlet → outlet	order no.
for fuel gases:		
G 1/4 LH	MG → AGS	145-009
G 3/8 LH	MG → AGS	145-012
G 1/2 LH	MG → AGS	145-016
G 1/4 RH	IG → IG	145-124
1/4" NPT	IG → IG	145-027
3/8" NPT	IG → IG	145-146
for oxygen:		
G 1/4 RH	MG → AGS	145-021
G 3/8 RH	MG → AGS	145-022
G 1/2 RH	MG → AGS	145-023
G 1/4 RH	IG → IG	145-125
1/4" NPT	IG → IG	145-115
3/8" NPT	IG → IG	145-205

RF53DN



Acetylene max. 11,5 m³/h
Fuel gases max. 105 m³/h
Oxygen max. 56 m³/h

EN 730-1

with pressure relief valve
(RV)

[FA] [NV] [TV] [RV]

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	MG → AGS	145-041
G 1/2 LH	MG → AGS	145-043
for oxygen:		
G 1/4 RH	MG → AGS	145-048
G 3/8 RH	MG → AGS	145-049
G 1/2 RH	MG → AGS	145-050

RF53NSK



Acetylene max. 13 m³/h
Fuel gases max. 68 m³/h
Oxygen max. 187 m³/h

EN 730-1

with integrated coupling
body according EN 561

[FA] [NV] [TV]

suitable probes see p. 38f

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	MG → coupling body	145SK-002
for oxygen:		
G 1/4 RH	MG → coupling body	145SK-008
G 3/8 RH	MG → coupling body	145SK-001

85-10



Acetylene max. 22 m³/h
Fuel gases max. 235 m³/h
Oxygen max. 310 m³/h

EN 730-1

[FA] [NV] [TV]

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	MG → AGS	143-002
G 1/2 LH	MG → AGS	143-008
G 3/8 RH	IG → IG	143-226
1/4" NPT	IG → IG	143-001
3/8" NPT	IG → IG	143-063
for oxygen:		
G 1/4 RH	MG → AGS	143-013
G 3/8 RH	MG → AGS	143-016
G 1/2 RH	MG → AGS	143-019
G 3/8 RH	IG → IG	143-227
1/4" NPT	IG → IG	143-012
3/8" NPT	IG → IG	143-105

8. FLASHBACK ARRESTORS for pressure regulators, outlet points and pipelines

85-20



Acetylene max. 45 m³/h
Fuel gases max. 324 m³/h
Oxygen max. 333 m³/h

EN 730-1

FA NV TV

connection	inlet → outlet	order no.
for fuel gases:		
G 3/4 LH	MG → AGS	149-001
for oxygen:		
G 3/4 RH	MG → AGS	149-014
for fuel gases or oxygen:		
G 1/2 RH	IG → IG	149-002
1/2" NPT	IG → IG	149-003
G 1 RH	IG → IG	149-004
G 3/4 RH	IG → IG	149-005
3/4" NPT	IG → IG	149-006
1 NPT	IG → IG	149-017

85-30



Acetylene max. 70 m³/h
Fuel gases max. 675 m³/h
Oxygen max. 860 m³/h

EN 730-1

FA NV TV

connection	inlet → outlet	order no.
for fuel gases:		
G 3/4 LH	MG → AGS	147-001
G 1 LH	MG → AGS	147-003
G 1 1/2 RH	IG → IG	147-004
3/4" NPT	IG → IG	147-034
1" NPT	IG → IG	147-044
1/2" NPT	IG → IG	147-016
for oxygen:		
G 3/4 RH	MG → AGS	147-065
G 1 RH	MG → AGS	147-068
G 1 1/2 RH	IG → IG	147-069
3/4" NPT	IG → IG	147-081
1" NPT	IG → IG	147-072
1/2" NPT	IG → IG	147-082

Safety group 645

2- or 4fold



Parallel connection from
2 or 4 flashback arrestors
model 85-30, ideal for high
consumption and high
flows

Acetylene max. 392 m³/h
Fuel gases max. 2740 m³/h
Oxygen max. 1850 m³/h

EN 730-1

FA NV TV

connection	inlet → outlet	order no.
for fuel gases:		
DN 50 (2fold)	flange DIN 2633	182-023
DN 50 (4fold)	flange DIN 2633	182-007
for oxygen:		
DN 50 (2fold)	flange DIN 2633	182-027
DN 50 (4fold)	flange DIN 2633	182-008

Safety group 645

4- or 5fold



Parallel connection from
4 or 5 flashback arrestors
model 623N, ideal for high
consumption and high
flows

Town gas / Natural gas
max. 1010 m³/h

EN 730-1

FA NV TV

connection	inlet → outlet	order no.
for town gas/natural gas:		
DN 65/PN16 (4fold)	flange DIN 2633	182-014
DN 65/PN16 (5fold)	flange DIN 2633	182-018

8. FLASHBACK ARRESTORS for pressure regulators, outlet points and pipelines

Super 55



Acetylene max. 10 m³/h
Fuel gases max. 60 m³/h
Oxygen max. 95 m³/h

EN 730-1

with pressure controlled
cut-off valve

[FA] [NV] [TV] [PV]

connection	inlet → outlet	order no.
for fuel gases: G 3/8 LH	MG → AGS	146-025
for oxygen: G 1/4 RH	MG → AGS	146-027
G 3/8 RH	MG → AGS	146-026

Super 85



Acetylene max. 19 m³/h
Fuel gases max. 169 m³/h
Oxygen max. 119 m³/h

EN 730-1

with pressure controlled
cut-off valve

[FA] [NV] [TV] [PV]

connection	inlet → outlet	order no.
for fuel gases: G 3/8 LH	MG → AGS	148-002
for oxygen: G 1/4 RH	MG → AGS	148-013
G 3/8 RH	MG → AGS	148-016

Super 90



Acetylene max. 11 m³/h
Fuel gases max. 128 m³/h
Oxygen max. 62 m³/h

EN 730-1

with pressure controlled
cut-off valve

[FA] [NV] [TV] [PV]

connection	inlet → outlet	order no.
for fuel gases: G 3/8 LH	MG → AGS	125-029
for oxygen: G 1/4 RH	MG → AGS	125-030
G 3/8 RH	MG → AGS	125-031

Super 78



Acetylene max. 11 m³/h
Fuel gases max. 128 m³/h
Oxygen max. 62 m³/h

EN 730-1

with pressure controlled
cut-off valve and pressure
relief valve (RV)

[FA] [NV] [TV] [PV] [RV]

connection	inlet → outlet	order no.
for fuel gases: G 3/8 LH	MG → AGS	125-010
for oxygen: G 1/4 RH	MG → AGS	125-016
G 3/8 RH	MG → AGS	125-017

8. FLASHBACK ARRESTORS for pressure regulators, outlet points and pipelines

Super 66



Acetylene max. 20 m³/h
Fuel gases max. 225 m³/h
Oxygen max. 105 m³/h

EN 730-1

with pressure controlled
cut-off valve and pressure
relief valve (RV)

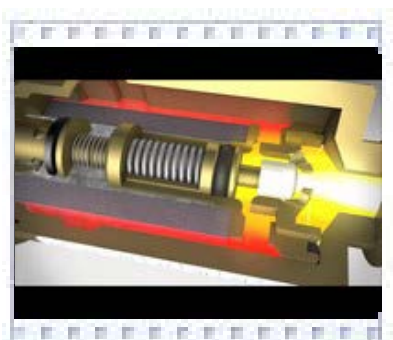
FA NV TV PV RV

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	MG → AGS	125-002
for oxygen:		
G 1/4 RH	MG → AGS	125-006
G 3/8 RH	MG → AGS	125-007

27/11/2013

 Do you already know...

... our new video about flashback arrestors?



Get to know the function of flashback arrestors and learn everything about the relevant safety elements and their mode of action in an impressive 3D animation. And see the dramatic consequences of cutting costs on safety technology.

Download at ► www.wittgas.com ► downloads ► videos
or at Youtube

For an overview of our information material see p. 74-75

9. FLASHBACK ARRESTORS for torches

E460-1



Acetylene max. 9 m³/h
Fuel gases max. 82 m³/h
Oxygen max. 119 m³/h

EN 730-1

[FA] [NV]

connection	inlet → outlet	order no.
for fuel gases:		
4,0 mm - G 3/8 LH	nozzle → MG	135-002
6,3 mm - G 3/8 LH	nozzle → MG	135-005
8,0 mm - G 3/8 LH	nozzle → MG	135-009
9,0 mm - G 3/8 LH	nozzle → MG	135-013
for oxygen:		
4,0 mm - G 1/4 RH	nozzle → MG	135-014
6,3 mm - G 1/4 RH	nozzle → MG	135-017
6,3 mm - G 3/8 RH	nozzle → MG	135-018
8,0 mm - G 3/8 RH	nozzle → MG	135-022

E460-2



Acetylene max. 9 m³/h
Fuel gases max. 82 m³/h
Oxygen max. 119 m³/h

EN 730-1

[FA] [NV]

connection	inlet → outlet	order no.
for fuel gases:		
4,0 mm - 4,0 mm	nozzle → nozzle	135-029
6,3 mm - 6,3 mm	nozzle → nozzle	135-031
8,0 mm - 8,0 mm	nozzle → nozzle	135-032
9,0 mm - 9,0 mm	nozzle → nozzle	135-034
for oxygen:		
4,0 mm - 4,0 mm	nozzle → nozzle	135-037
6,3 mm - 6,3 mm	nozzle → nozzle	135-038
8,0 mm - 8,0 mm	nozzle → nozzle	135-039

E460-3



Acetylene max. 9 m³/h
Fuel gases max. 82 m³/h
Oxygen max. 119 m³/h

EN 730-1

[FA] [NV]

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	AGS → MG	135-042
for oxygen:		
G 1/4 RH	AGS → MG	135-046
G 3/8 RH	AGS → MG	135-094

E460SK



Acetylene max. 9 m³/h
Fuel gases max. 82 m³/h
Oxygen max. 119 m³/h

EN 730-1

[FA] [NV]

suitable coupling body:
SK100-9, see below

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	probe → MG	135SK-114
for oxygen:		
G 1/4 RH	probe → MG	135SK-115
G 3/8 RH	probe → MG	135SK-124

9. FLASHBACK ARRESTORS for torches

E460SKU



Acetylene max. 13 m³/h
Fuel gases max. 68 m³/h
Oxygen max. 187 m³/h

EN 730-1

with integrated coupling
body: EN 561

[FA] [NV]

suitable coupling probes:
see chapter 13 „Quick
couplers“

connection	inlet → outlet	order no.
for fuel gases:		
6,3 mm	nozzle → coupling body	135SK-001
8,0 mm	nozzle → coupling body	135SK-004
G 3/8 LH	AGS → coupling body	135SK-128
for oxygen:		
6,3 mm	nozzle → coupling body	135SK-002
G 1/4 RH	AGS → coupling body	135SK-127

SK100-9



Coupling body without
non-return valve, part
of the WITT coupling
system SK100, for quick
coupling from and to the
hose

EN 561 / ISO 7289

connection	inlet ⇄ outlet	order no.
for fuel gases:		
6,3 mm	nozzle ⇄ coupling body	150-021
8,0 mm	nozzle ⇄ coupling body	150-039
9,0 mm	nozzle ⇄ coupling body	150-023
G 3/8 LH	AGS ⇄ coupling body	150-081
for oxygen:		
6,3 mm	nozzle ⇄ coupling body	150-024
8,0 mm	nozzle ⇄ coupling body	150-040
G 1/4 RH	AGS ⇄ coupling body	150-080
G 3/8 RH	AGS ⇄ coupling body	150-079
other gases:		
6,3 mm	nozzle ⇄ coupling body	150-067

RF53NU



Acetylene max. 13 m³/h
Fuel gases max. 68 m³/h
Oxygen max. 187 m³/h

EN 730-1

[FA] [NV] [TV]

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	AGS → MG	145-034
G 1/2 LH	AGS → MG	145-035
for oxygen:		
G 1/4 RH	AGS → MG	145-036
G 3/8 RH	AGS → MG	145-037
G 1/2 RH	AGS → MG	145-038

85-10NU



Acetylene max. 22 m³/h
Fuel gases max. 235 m³/h
Oxygen max. 310 m³/h

EN 730-1

[FA] [NV] [TV]

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	AGS → MG	143-039
G 1/2 LH	AGS → MG	143-231
for oxygen:		
G 3/8 RH	AGS → MG	143-041

9. FLASHBACK ARRESTORS for torches

85-10NU (Ex)



Acetylene max. 22 m³/h
Fuel gases max. 235 m³/h
Oxygen max. 310 m³/h

excentric outlet

EN 730-1

[FA] [NV]

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	AGS → MG (excentric)	143-217
G 1/2 LH	AGS → MG (excentric)	143-148
for oxygen:		
G 1/4 RH	AGS → MG (excentric)	143-215
G 3/8 RH	AGS → MG (excentric)	143-216
G 1/2 RH	AGS → MG (excentric)	143-152

27/11/2013



Do you wish a quotation...

Information inquiry for gas safety equipment
Please fill in the requested information! Thank you!

Inquiry for

☐ Non-return valves	☐ Flashback arrestors
☐ Quick couplers	☐ Safety valves
☐ Stainless steel devices	☐ Installation kit
☐ Gas filters	☐ Pressure regulators
☐ Lance holders	☐ Ball valves
☐ Hose reels	☐ Test equipment

Accessories

Technical Data

Sort of gas:

max. reduction in pressure:

Performance:

Temperature:

Connections:

Installation place:

Miscellaneous

... for your gas safety technology?

To find out which safety devices are suitable for you, just fill in our questionnaire with your special requirements regarding types of gases, flows, pressures etc.

You will soon get a quotation, which is tailored exactly to your needs.

Request for an offer see ► www.wittgas.com ► gas safety equipment ► ...

For an overview of our information material see p. 74-75

10. FLASHBACK ARRESTORS for cutting machines

E460-3



Acetylene max. 9 m³/h
Fuel gases max. 82 m³/h
Oxygen max. 119 m³/h

EN 730-1

[FA] [NV]

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	AGS → MG	135-042
for oxygen:		
G 1/4 RH	AGS → MG	135-046
G 3/8 RH	AGS → MG	135-052

RF53U



Acetylene max. 13 m³/h
Fuel gases max. 68 m³/h
Oxygen max. 187 m³/h

EN 730-1

[FA] [NV]

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	AGS → MG	145-003
for oxygen:		
G 1/4 RH	AGS → MG	145-004
G 3/8 RH	AGS → MG	145-005
G 1/2 RH	AGS → MG	145-006

85-10U



Acetylene max. 22 m³/h
Fuel gases max. 235 m³/h
Oxygen max. 310 m³/h

EN 730-1

[FA] [NV]

connection	inlet → outlet	order no.
for fuel gases:		
G 3/8 LH	AGS → MG	143-223
G 1/2 LH	AGS → MG	143-040
for oxygen:		
G 3/8 RH	AGS → MG	143-133
G 1/2 RH	AGS → MG	143-042

11. FLASHBACK ARRESTORS for high flows

RF53N/30



Fuel gases 16 m³/h
Air 12 m³/h

EN 730-1

[FA] [NV] [TV]

for very low pressures
without non-return valve:

[FA] [TV]

(order no. 145-136)

connection	inlet → outlet	order no.
with non-return valve:		
G 3/8 LH	MG → AGS	145-120
without non-return valve:		
G 3/8 LH	MG → AGS	145-136

85-10/30



Fuel gases 30 m³/h
Air 21 m³/h

EN 730-1

[FA] [NV] [TV]

for very low pressures
without non-return valve:

[FA] [TV]

(order no. 143-200
and 143-168)

connection	inlet → outlet	order no.
with non-return valve:		
G 3/8 LH	MG → AGS	143-118
G 1/2 LH	MG → AGS	143-121
1/4" NPT	IG → IG	143-130
without non-return valve:		
G 1/2 LH	MG → AGS	143-200
1/4" NPT	IG → IG	143-168

270N/NU



connection	inlet → outlet	order no.
270N		
G 3/4 RH	AGS → MG	123-038
G 1 RH	AGS → MG	123-041
G 1.1/4 RH	AGS → MG	123-039
G 1.1/2 RH	AGS → MG	123-040
G 1/2 RH	IG → IG	123-054
G 1 RH	IG → IG	123-057
270NU (reverse flow)		
G 3/4 RH	MG → AGS	123-046
G 3/4 LH	MG → AGS	123-050
G 1 RH	MG → AGS	123-047
G 1 LH	MG → AGS	123-051
G 1.1/4 RH	MG → AGS	123-048
G 1.1/4 LH	MG → AGS	123-052
G 1.1/2 RH	MG → AGS	123-049
G 1.1/2 LH	MG → AGS	123-053

Fuel gases (without acetylene): max. 371 m³/h
Air 164 m³/h

EN 730-1

[FA] [NV] [TV]

pipeline fittings see next page

11. FLASHBACK ARRESTORS for high flows

623N/NU



Fuel gases 406 m³/h
Air 335 m³/h

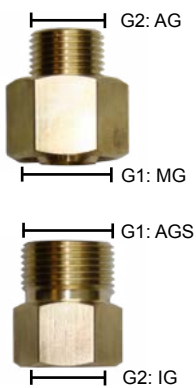
E730-1

FA NV TV

pipeline fittings see below

connection	inlet → outlet	order no.
623N		
G 3/4 RH	AGS → MG	189-006
G 1 RH	AGS → MG	189-008
G 1.1/4 RH	AGS → MG	189-009
G 1.1/2 RH	AGS → MG	189-007
G 1 RH	IG → IG	189-017
623NU (reverse flow)		
G 3/4 LH	MG → AGS	189-013
G 1 LH	MG → AGS	189-012
G 1.1/4 LH	MG → AGS	189-014
G 1.1/2 LH	MG → AGS	189-015

Pipeline fittings

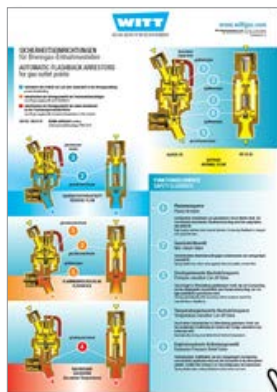


For flashback arrestors
models 70, 270N/NU and
623N/NU

connection G1	connection G2	order no.
G 3/4 RH	G 1/2 RH	043000000
G 1 RH	G 3/4 RH	043000100
G 1.1/4 RH	G 1 RH	043000200
G 1.1/2 RH	G 1.1/4 RH	043000300

27/11/2013

 Do you already know...



... our training poster „Flashback arrestors for
fuel gas outlet points“?

Learn every detail of our proven flashback arrestors, their
construction and function, and instruct your personnel.
Because safety always has top priority.

Download at ► www.wittgas.com ► downloads ► flashback arrestors

For an overview of our information material see p. 74-75

12. FLASHBACK ARRESTORS for central acetylene supply

FN12 / FN40

decomposition arrestor



Stops dangerous decomposition of acetylene in the low-pressure pipeline

Up to 1,5 bar

FN12 Q= ca. 76 m³/h
FN40 Q= ca. 140 m³/h

TRAC 206

FA TV

connection	inlet → outlet	order no.
FN12 G 1 1/2 RH	IG → IG	021-001
FN40 (double flow capacity) G 1 1/2 RH	IG → IG	021-003

HDS17

shut-off device



Stops dangerous decomposition of acetylene in the high-pressure pipeline of acetylene installations via pressure controlled quick acting closing bulb

Up to 25 bar

TRAC 206
EN ISO 14114

connection	inlet → outlet	order no.
G 3/4 RH	IG → IG	017-001

Bundle connection

with non-return valve RV 650



For the direct connection to a bundle

Up to 25 bar

DIN EN ISO 15615
DIN EN ISO 14114

connection	inlet → outlet	order no.
„Linde“ M 28x1,5 - M 24x1,5	IG → MG	210000011
„Messer“ M 28x1,5 - M 24x1,5	IG → MG	210000020

MGN

decomposition arrestor

NEW



Stops dangerous decomposition of acetylene in the high-pressure pipelines of bottling plants

Up to 25 bar

DIN EN ISO 15615
DIN EN ISO 14114
EIGA Acetylene IGC DOC
123/4

FA

optional: NV

connection	inlet → outlet	order no.
MGN (with NV) G 1/2 RH	IG → IG	022-010
MGN (without NV) G 1/4 RH	AGS → IG	022-011

12. FLASHBACK ARRESTORS for central acetylene supply

HD-NV

non-return valve for bows according DIN 477

NEW



High-pressure non-re-
turn valve to be wound
onto the gas cylinder by
using a bow according
to DIN 477, part 1, no. 3

Up to 25 bar

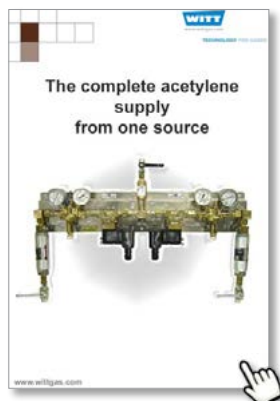
EN ISO 15615

NV

connection	inlet → outlet (O)	order no.
HD-NV	DIN → G 1/4 RH AGS	210000022
HD-NV incl. bow	DIN → G 1/4 RH AGS	210000022B

27/11/2013

 Do you already know...



... our branche portfolio „Central acetylene supply from one source“?

Read up everything on pressure regulating stations, outlet points, flashback arrestors etc. for your central acetylene supply

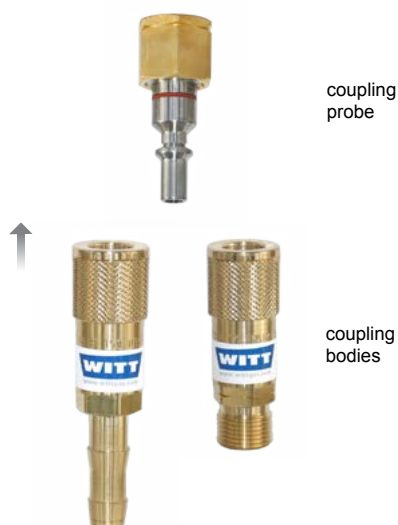
Download at ► www.wittgas.com ► downloads ► brochures

For an overview of our information material see p. 74-75

13. QUICK COUPLERS

SK100-1

for torches



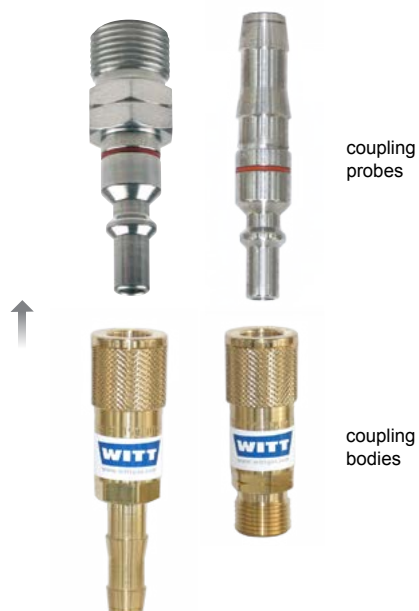
Coupling bodies with non-return valve and automatic gas cut-off valve

EN 561 / ISO 7289

connection	inlet → outlet	order no.
• coupling probes		
for fuel gases:		
G 3/8 LH	probe → MG	151-001
for oxygen:		
G 1/4 RH	probe → MG	151-003
G 3/8 RH	probe → MG	151-004
for other gases:		
G 1/4 RH	probe → MG	151-005
• coupling bodies (also for SK100-2)		
for fuel gases:		
4,0 mm	nozzle → coupling body	150-001
6,3 mm	nozzle → coupling body	150-003
8,0 mm	nozzle → coupling body	150-004
9,0 mm	nozzle → coupling body	150-005
G 3/8 LH	AGS → coupling body	150-064
for oxygen:		
4,0 mm	nozzle → coupling body	150-007
6,3 mm	nozzle → coupling body	150-009
8,0 mm	nozzle → coupling body	150-010
G 1/4 RH	AGS → coupling body	150-061
G 3/8 RH	AGS → coupling body	150-060
for other gases:		
6,3 mm	nozzle → coupling body	150-013
G 1/4 RH	AGS → coupling body	150-063
G 3/8 RH	AGS → coupling body	150-062

SK100-2

for hoses



Coupling bodies with non-return valve and automatic gas cut-off valve

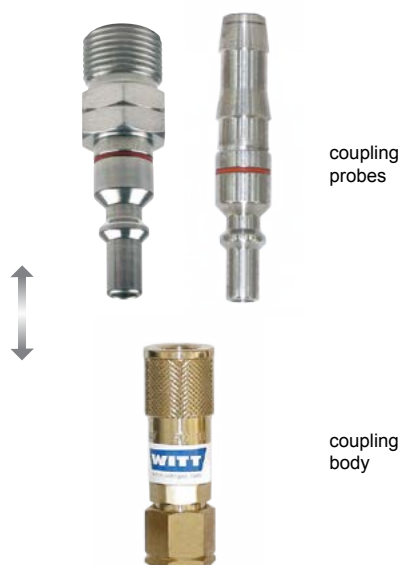
EN 561 / ISO 7289

connection	inlet → outlet	order no.
• coupling probes (also for SK100-3)		
for fuel gases:		
4,0 mm	probe → nozzle	151-007
6,3 mm	probe → nozzle	151-009
8,0 mm	probe → nozzle	151-010
9,0 mm	probe → nozzle	151-011
G 3/8 LH	probe → AGS	151-048
for oxygen:		
4,0 mm	probe → nozzle	151-013
6,3 mm	probe → nozzle	151-015
8,0 mm	probe → nozzle	151-016
G 1/4 RH	probe → AGS	151-045
G 3/8 RH	probe → AGS	151-044
for other gases:		
6,3 mm	probe → nozzle	151-021
G 1/4 RH	probe → AGS	151-047
G 3/8 RH	probe → AGS	151-046
• coupling bodies		
see SK100-1		

13. QUICK COUPLERS

SK 100-3

for outlet points



coupling
probes

coupling
body

Coupling bodies with non-return valve and automatic gas cut-off valve

EN 561 / ISO 7289

connection	inlet ⇌ outlet	order no.
• probes see SK100-2		
• coupling bodies		
for fuel gases: G 3/8 LH	MG ⇌ coupling body	150-015
for oxygen: G 1/4 RH	MG ⇌ coupling body	150-017
G 3/8 RH	MG ⇌ coupling body	150-018
for other gases: G 1/4 RH	MG ⇌ coupling body	150-019
G 3/8 RH	MG ⇌ coupling body	150-028

Keymark coupling

for outlet points



coupling
body

keymark

coupling
probes

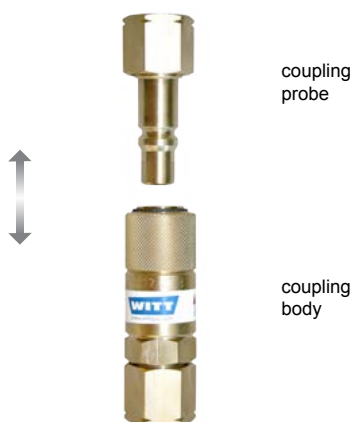
Keymark couplings protect outlet points from unauthorised access: only the owner of the keymark is able to take gas from the outlet point

EN 561 / ISO 7289

connection	inlet ⇌ outlet	order no.
• coupling bodies		
for fuel gases: G 3/8 LH	MG ⇌ coupling body	150-029
for other gases: G 1/4 RH	MG ⇌ coupling body	150-033
• keymark		801836700
• coupling probes		
for fuel gases:		
4,0 mm	probe ⇌ nozzle	151-007
6,3 mm	probe ⇌ nozzle	151-009
8,0 mm	probe ⇌ nozzle	151-010
9,0 mm	probe ⇌ nozzle	151-011
G 3/8 LH	probe ⇌ AGS	151-048
for other gases:		
6,3 mm	probe ⇌ nozzle	151-021
G 1/4 RH	probe ⇌ AGS	151-047
G 3/8 RH	probe ⇌ AGS	151-046

13. QUICK COUPLERS

735 / 736



Hose couplings for higher flows

DIN 8544

connection	inlet ⇌ outlet	order no.
MODEL 735		
• coupling bodies		
for fuel gases: G 3/8 LH	MG ⇌ coupling body	041327500
for oxygen: G 3/8 RH	MG ⇌ coupling body	041227500
• probes		
for fuel gases: G 3/8 LH	probe ⇌ MG	041328700
for oxygen: G 3/8 RH	probe ⇌ MG	041228700
MODEL 736		
• coupling bodies		
for fuel gases: G 1/2 LH	MG ⇌ coupling body	041327200
for oxygen: G 1/2 RH	MG ⇌ coupling body	041227200
• probes		
for fuel gases: G 1/2 LH	probe ⇌ MG	041328200
for oxygen: G 1/2 RH	probe ⇌ MG	041228200

MODEL 735

• coupling bodies

for fuel gases:

G 3/8 LH

MG ⇌ coupling body

041327500

for oxygen:

G 3/8 RH

MG ⇌ coupling body

041227500

• probes

for fuel gases:

G 3/8 LH

probe ⇌ MG

041328700

for oxygen:

G 3/8 RH

probe ⇌ MG

041228700

MODEL 736

• coupling bodies

for fuel gases:

G 1/2 LH

MG ⇌ coupling body

041327200

for oxygen:

G 1/2 RH

MG ⇌ coupling body

041227200

• probes

for fuel gases:

G 1/2 LH

probe ⇌ MG

041328200

for oxygen:

G 1/2 RH

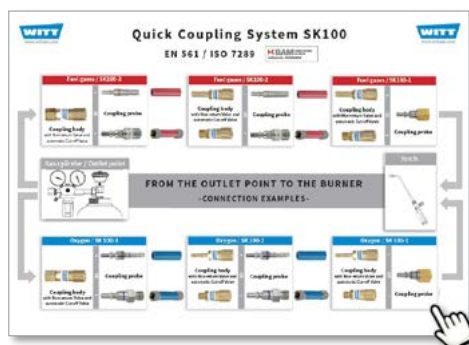
probe ⇌ MG

041228200

27/11/2013

 Do you already know...

... our overview on the coupling system SK100?



- every module from the outlet point up to the torch
- all connections on a glance
- all WITT order numbers
- on demand: editable pdf, to fill in your own order numbers

Download at

► www.wittgas.com ► downloads ► quick couplers

For an overview of our information material see p. 74-75

14. NON-RETURN VALVES

NV 654

NEW



Up to 60 bar
(O₂ up to 30 bar)

Air max. 130 m³/h

NV

DIN 8521-2

connection

inlet → outlet

order no.

G 1/8 RH

IG → AGS

120003037

NV 100



Up to 25 BAR

Air max. 130 m³/h

NV

DIN 8521-2

connection

inlet → outlet

order no.

G 1/8 RH

IG → IG

100145001

G 1/4 RH

IG → IG

100145002

G 3/8 RH

IG → IG

100145003

1/4" NPT

IG → IG

100145005

NV 200



Up to 16 BAR

Air max. 1.900 m³/h

NV

DIN 8521-2

connection

inlet → outlet

order no.

G 1/2 RH

IG → IG

200037008

G 3/4 RH

IG → IG

200037009

G 1 RH

IG → IG

200037010

1/2" NPT

IG → IG

200037069

3/4" NPT

IG → IG

200037075

1" NPT

IG → IG

200037068

NV 600H



Up to 40 BAR

NV

DIN 8521-2

connection

inlet → outlet

order no.

G 1/2 RH

IG → IG

037-042

G 3/4 RH

IG → IG

037-035

G 1 RH

IG → IG

037-039

14. NON-RETURN VALVES

NV 70 / 70U



Up to 16 BAR

Air max. 1.220 m³/h

[NV]

DIN 8521-2

pipeline fittings see p. 35

connection	inlet → outlet	order no.
70		
G 3/4 RH	AGS → MG	123-009
G 1 RH	AGS → MG	123-012
G 1.1/4 RH	AGS → MG	123-014
G 1.1/2 RH	AGS → MG	123-015
70U (reverse flow):		
G 3/4 RH	MG → AGS	123-016
G 1 RH	MG → AGS	123-018
G 1.1/4 RH	MG → AGS	123-056
G 1.1/2 RH	MG → AGS	123-045

NV 300



Up to 16 BAR

Air max. 3.260 m³/h

[NV]

DIN 8521-2

connection	inlet → outlet	order no.
G 1 RH	IG → IG	300038002
G 1.1/4 RH	IG → IG	300038031
1" NPT	IG → IG	300038058
1.1/4" NPT	IG → IG	300038065
DN 32 / PN 40	loose flange (with O-ring)	300038A009

NV 400



Up to 16 BAR

Air max. 8.100 m³/h

[NV]

DIN 8521-2

connection	inlet → outlet	order no.
G 1.1/2 RH	IG → IG	400038024
G 2 RH	IG → IG	400038008
1.1/2" NPT	IG → IG	400038062
2" NPT	IG → IG	400038045
DN 40 / PN 40	loose flange (with O-ring)	400038A005
DN 50 / PN 40	loose flange (with O-ring)	400038A006
DN 65 / PN 40	loose flange (with O-ring)	400038A007
DN 80 / PN 40	loose flange (with O-ring)	400038A008

NV 800



Up to 10 BAR

Air max. 14.000 m³/h

[NV]

DIN 8521-2

connection	inlet → outlet	order no.
DN 80 / PN 16	flange	800080001

14. NON-RETURN VALVES

NV 2000



Up to 10 BAR

Air max. 26.800 m³/h

[NV]

to be mounted vertically in
bottom-up flow direction

connection	inlet → outlet	order no.
DN 80 / PN 16	flange	200119002
DN 100 / PN 16	flange	200119003
DN 125 / PN 16	flange	200119004
DN 150 / PN 16	flange	200119006
DN 200 / PN 16	flange	200119007

27/11/2013

 Did you already know ...

... that WITT attends more than 30 exhibitions every year
worldwide?



WITT at the 'Schweißen & Schneiden' in Essen,
Germany 2013

Whether at trade fairs for welding and cutting, chemistry, food technology, measurement and control technology or medical technology: the versatile WITT products can be inspected personally by the customer in many places in the world.

Fix a date in advance with your competent WITT-
consultant on-site.

All actual exhibition dates at:

► www.wittgas.com ► service ► exhibitions

15. SAFETY RELIEF VALVES

SV 805 / SV 805A



For blowing-off gases and vapours from receivers, pipelines and other parts of the installation

up to 45 BAR

with or without venting tool

CE 0045

pressure settings

SV 805

> 0,5 ≤ 45 BAR
diff. connections

order no.

200-____
(according to
pressure-setting)

SV 805A

with venting tool, outlet: 1/2 NPT IG
> 0,5 ≤ 45 BAR
diff. connections

200A-____
(according to
pressure-setting)

special sealing compound, surcharge

Adapter for SV 805



Adapter for venting pipes and safety relief valve SV 805

connections

order no.

M 24x1	AG → 1/2" NPT IG	801413600K
M 24x1	AG → G 1/2" AGS	802069800K
M 24x1	AG → G 3/4" NPT IG	802124900K

AV 815



Safety relief valve for acetylene - to be used in connection with manifold pressure regulators conform to DIN EN ISO 7291

outlet pressure	blow-off flow	opening pressure	order no.
0,6 BAR	50 m³/h	0,75 BAR	200-277
0,7 BAR	60 m³/h	0,95 BAR	200-353
0,8 BAR	65 m³/h	1,25 BAR	200-354
0,9 BAR	70 m³/h	1,25 BAR	200-355
1,1 BAR	72 m³/h	1,55 BAR	200-356
1,5 BAR	75 m³/h	1,90 BAR	200-278
2,0 BAR	90 m³/h	2,50 BAR	200-279

connections:
G 1/2 AG → M24 x 1 IG

AV 619



For blowing-off gases and vapours from receivers, pipelines and other parts of the installation

pressure settings

5 - 500 mBAR

order no.

300-____
(according to
pressure-setting)

connections:
G1/2, G3/4, G1 RH IG, 1/2" NPT

AV 919



For blowing-off gases
and vapours from recei-
vers, pipelines and other
parts of the installation

aluminium enodised

pressure settings

5 - 500 mBAR

connections:
G2 RH IG

order no.

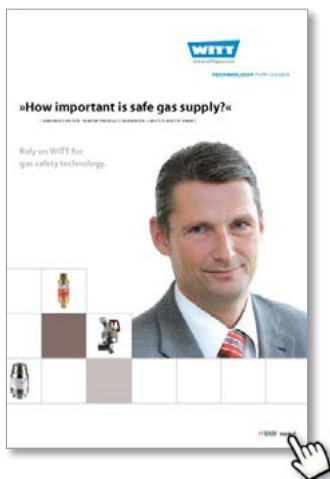
400-____
(according to
pressure-setting)

27/11/2013

 Do you already know...

... our brochure „Gas Safety Technology“?

Here you can have a look on all the safety components of a central gas supply. Find a lot of information about the WITT-portfolio in practical product group-overviews, e.g.:



- flashback arrestors
- non-return valves
- safety relief valves
- quick couplers
- gas filters
- gas mixers
- pressure regulating stations
- outlet points
- etc.

Download at ► www.wittgas.com ► downloads ► brochures

... and our „Stainless steel“ brochure?

Read the latest information about our flashback arrestor-portfolio for maximum requirements, e.g. for hydrogen, pure gases, corrosive gases usw.

Download at ► www.wittgas.com ► downloads ► brochures

For an overview of our information material see p. 74-75



16. STAINLESS STEEL DEVICES

Series RF53N-ES

flashback arrestor



F53N-ES (for very low working pressure prior to or behind the analysis device): air max. 225 m³/h

RF53N-ES: air max. 180 m³/h

RF53N/H-ES: air max. 46 m³/h

EN 730-1

connection	inlet → outlet	order no.
F53N-ES		
for fuel gases (e.g. hydrogen up to 3 BAR):		
1/4" NPT	IG → IG	145-059
for oxygen:		
1/4" NPT	IG → IG	145-157
F53N/H-ES		
for fuel gases (e.g. hydrogen up to 10 BAR):		
1/4" NPT	IG → IG	145-106
RF53N-ES		
for fuel gases (e.g. hydrogen up to 3 BAR):		
1/4" NPT	IG → IG	145-001
3/8" NPT	IG → IG	145-031
for oxygen:		
1/4" NPT	IG → IG	145-116
3/8" NPT	IG → IG	145-024
RF53N/H-ES		
for fuel gases (e.g. hydrogen up to 10 BAR):		
1/4" NPT	IG → IG	145-107
3/8" NPT	IG → IG	145-121

Series RF85-10N-ES

flashback arrestor



F85-10N-ES (for very low working pressure prior to or behind the analysis device): air max. 390 m³/h

RF85-10N-ES: air max. 315 m³/h

RF85-10N/H-ES: air max. 82 m³/h

EN 730-1

connection	inlet → outlet	order no.
F85-10N-ES		
for fuel gases (e.g. hydrogen up to 4 BAR):		
1/4" NPT	IG → IG	143-028
for oxygen:		
1/4" NPT	IG → IG	143-149
F85-10N/H-ES		
for fuel gases (e.g. hydrogen up to 10 BAR):		
1/4" NPT	IG → IG	143-100
RF85-10N-ES		
for fuel gases (e.g. hydrogen up to 4 BAR):		
1/4" NPT	IG → IG	143-061
3/8" NPT	IG → IG	143-069
9/16" - 18 UNF VCR	AG → AG	143-031
7/8" - 14 UNF VCR	AG → AG	143-048
for oxygen:		
1/4" NPT	IG → IG	143-101
3/8" NPT	IG → IG	143-119
9/16" - 18 UNF VCR	AG → AG	143-163
7/8" - 14 UNF VCR	AG → AG	143-134
RF85-10N/H-ES		
for fuel gases (e.g. hydrogen up to 10 BAR):		
1/4" NPT	IG → IG	143-077
3/8" NPT	IG → IG	143-087
7/8" - 14 UNF VCR	AG → AG	143-076

16. STAINLESS STEEL DEVICES

RF85-20N-ES

flashback arrestor



Air max. 360 m³/h

FA NV TV

EN 730-1

connection	inlet → outlet	order no.
for fuel gases (e.g. acetylene up to 2 BAR) and oxygen:		
1/2" NPT	IG → IG	149-009

Series RF85-30N-ES

flashback arrestor



RF85-30N-ES:
Air max. 1.150 m³/h

FA NV TV

RF85-30N/H-ES:
Air max. 310 m³/h

FA NV TV

EN 730-1

connection	inlet → outlet	order no.
RF85-30N-ES for fuel gases (e.g. hydrogen up to 4 BAR):		
3/4" NPT	IG → IG	147-027
for oxygen:		
3/4" NPT	IG → IG	147-071
RF85-30N/H-ES for fuel gases (e.g. hydrogen up to 11 BAR):		
1 NPT	IG → IG	147-047
3/4" NPT	IG → IG	147-039

F100N-ES

flashback arrestor



Air max. 32 m³/h

FA TV

EN 730-1

connection	inlet → outlet	order no.
for hydrogen (up to 17 BAR):		
1/2" NPT	IG → IG	210000012
7/8" - 14 UNF VCR	AG → AG	210000019

NV 600-ES

non-return valve



Up to 16 BAR

Air max. 1.900 m³/h

NV

DIN 8521-2

connection	inlet → outlet	order no.
G 1/2 RH	IG → IG	037-017
G 3/4 RH	IG → IG	037-033
G 1 RH	IG → IG	037-018
3/4" NPT	IG → IG	037-074

16. STAINLESS STEEL DEVICES

NV 600H-ES

non-return valve



Up to 40 BAR

DIN 8521-2

[NV]

connection	inlet → outlet	order no.
G 1/2 RH	IG → IG	037-064
G 3/4 RH	IG → IG	037-065
G 1 RH	IG → IG	037-048

NV 338-ES

non-return valve



Up to 16 BAR

Air max. 3.260 m³/h

[NV]

DIN 8521-2

connection	inlet → outlet	order no.
G 1 RH	IG → IG	038-064

NV 339-ES

non-return valve



Up to 16 BAR

Air max. 8.100 m³/h

[NV]

DIN 8521-2

connection	inlet → outlet	order no.
G 1.1/2 RH	IG → IG	038-014
G 2 RH	IG → IG	038-022

NV 800-ES

non-return valve



Up to 300 BAR

connection	inlet → outlet	order no.
1/4" NPT	AG → AG	311-002

16. STAINLESS STEEL DEVICES

SV 805-ES / SV 805A-ES

safety relief valve



For blowing-off gases and vapours from receivers, pipelines and other parts of the installation

up to 45 BAR

with or without venting tool

CE0045

pressure settings

SV 805-ES

> 0,5 ≤ 45 BAR
diff. connections

order no.

200-____
(according to pressure-setting)

SV 805A-ES

with venting tool, outlet: 1/2 NPT IG
> 0,5 ≤ 45 BAR
diff. connections

200A-____
(according to pressure-setting)

special sealing compound, surcharge

Adapter for SV 805-ES



Adapter for venting pipes and safety relief valve SV 805-ES

connections

M 24x1 AG → 1/2" NPT IG

order no.

801727800K

SV 811L

safety relief valve



Spring loaded, direct acting pressure relief valve for hydrogen-powered motor vehicles according to the European regulation (EC) No. 79/2009, as implemented by regulation (EC) No. 406/2010

up to 45 BAR

pressure settings

> 4,5 - 45 BAR

order no.

200AU-L____
(according to pressure-setting)

diff. connections

AV 619-ES

safety relief valve



For blowing-off gases and vapours from receivers, pipelines and other parts of the installation

up to 500 mBAR

pressure settings

5 - 500 mBAR

order no.

300-____
(according to pressure-setting)

connections:

G1/2, G3/4, G1 RH IG, 1/2" NPT

16. STAINLESS STEEL DEVICES

AV 919-ES

safety relief valve



For blowing-off gases
and vapours from recei-
vers, pipelines and other
parts of the installation

up to 500 mBAR

pressure settings

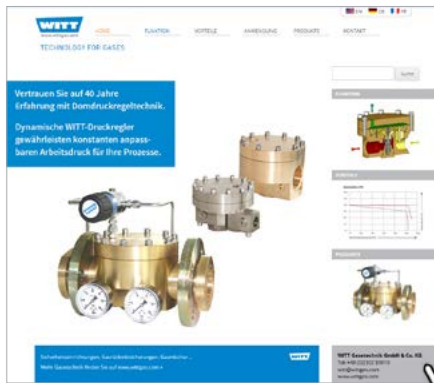
5 - 500 mBAR

connections:
G2 RH IG

order no.

400-__-__
(according to
pressure-setting)

27/11/2013



... our new website
www.domepressureregulators.com

Clearly laid-out, compact, application-oriented - explore
our substantial website about probably the best dome
pressure regulators in the world.

... and our actual brochure about
„Dome pressure regulators“ ?

If you prefer a printed version, just download our bro-
chure from the website or ask us to send it to you.

Download at ► www.wittgas.com ► downloads ► brochures

For an overview of our information material see p. 74-75



17. PRESSURE REGULATORS

Pressure regulator for outlet points



To be connected directly to the outlet point

- displays pressure and flow via manometer and/or variable area flow meter
- inlet MG, outlet AGS

connections	manometer display	order no.
G 3/8 LH → G 3/8 LH	acetylene 0-1,5 BAR	044112900
G 3/8 RH → G 1/4 RH	oxygen 0-10 BAR	044226300
G 3/8 LH → G 3/8 LH	fuel gas 0-10 BAR	044315000
G 3/8 RH → G 1/4 RH	nitrogen/air 0-10 BAR	044526000
flow display (manometer)		
argon, mixed gases and CO₂		
G 3/8 RH → G 1/4 RH	0 - 30 l/min	044524100
flow display (variable area flow meter)		
argon, mixed gases and CO₂		
G 3/8 RH → G 1/4 RH	0 - 30 l/min	044524000

Pressure regulator for cylinders



To be connected directly to the cylinder (200 BAR), single-level

- displays pressure and flow via manometer and/or variable area flow meter
- inlet DIN 477, outlet AGS

connections	manometer display	order no.
clamp → G 3/8 LH	acetylene 0-1,5 BAR	044113400
DIN 477 → G 1/4 RH	oxygen 0-10 BAR	044227500
DIN 477 → G 1/4 RH	nitrogen 0-10 BAR	044525500
DIN 477 → G 1/4 RH	argon or CO ₂ 0-10 BAR	044525600
flow display (manometer)		
argon, mixed gases and CO₂		
DIN 477 → G 1/4 RH	0 - 30 l/min	044525700
flow display (variable area flow meter)		
argon, mixed gases and CO₂		
DIN 477 → G 1/4 RH	0 - 30 l/min	044525800

ADR 150 manifold pressure regulator



Powerful dome pressure regulator for acetylene for the regulation of high flows on manifolds and bundles

- optimal emptying of the bundle because of very low pressure difference
- extremely stable outlet pressure
- integrated blow-off valve
- flow capacity up to 150 m³/h

connections	inlet pressure	outlet pressure	order no.
DN 25 (DIN 3861) → flange DN 50/PN 40 (DIN 2656)	25 BAR	1,5 BAR	210-002
special edition up to 2 BAR outlet pressure available (on demand)			

ADR 150F manifold pressure regulator



Spring loaded dome pressure regulator for acetylene for the regulation of high flows on manifolds and bundles

Features see ADR150, except: no pilot gas required

connections	inlet pressure	outlet pressure	order no.
DN 25 (DIN 3861) → flange DN 50/PN 40 (DIN 2656)	25 BAR	1,5 BAR	210-010

17. PRESSURE REGULATORS

Dome pressure regulators

brass

NEW



767 LE



757 LE



747 LE



737 LE



737 LE-HD

Powerful pressure regulators with maximum pressure stability. Ideal for pipelines in the central gas supply

- pilot gas controlled
- low pressure differences even with very high flows
- inlet pressures up to 300 BAR
- compact design, optimised mounting dimensions

connections	max. inlet pressure*	outlet pressure	order no.
model 767 LE NEW			
(high performance dome pressure regulator, for very high flows)			
G 3" IG	40 BAR	0,5-30 BAR	278-073
model 757 LE			
(high performance dome pressure regulator, for very high flows)			
G 2" IG	40 BAR	0,5-30 BAR	278-061
model 747 LE			
(universal dome pressure regulator, for high flows)			
G 1" IG	40 BAR	0,5-30 BAR	278-059
model 737 LE			
(universal dome pressure regulator, for medium flows)			
G 3/4" IG	60 BAR	0,5-9 BAR	278-051
model 737 LE-HD			
(high pressure dome pressure regulator, for high inlet and outlet pressures)			
G 3/4" IG	300 BAR	2-50 BAR	278-055

*dependent on type of gas

Dome pressure regulator sets

brass



767 LE/S

757 LE/S

747 LE/S

737 LE/S

737 LE-HD/S

connections	max. inlet pressure*	outlet pressure	order no.
model 767 LE/S NEW			
(high performance dome pressure regulator set, for very high flows)			
flange DN 80/ANSI	40 BAR	0,5-30 BAR	192-___
G 3" IG	40 BAR	0,5-30 BAR	192-___
model 757 LE/S			
(high performance dome pressure regulator set, for very high flows)			
flange DN 50/ANSI	40 BAR	0,5-30 BAR	192-___
G 2" IG	40 BAR	0,5-30 BAR	192-___
model 747 LE/S NEW			
(universal dome pressure regulator set, for high flows)			
G 1" IG/1" NPT IG	40 BAR	0,5-30 BAR	192-___
model 737 LE/S			
(universal dome pressure regulator set, for medium flows)			
G 3/4" IG/3/4" NPT IG	60 BAR	1-9 BAR	192-___
model 737 LE-HD/S			
(high pressure-dome pressure regulators, for high inlet and outlet pressures)			
G 3/4" IG/3/4" NPT IG	300 BAR	2-50 BAR	192-___

*dependent on type of gas

Powerful pressure regulators with maximum pressure stability. Complete solution for pipelines

- Features see „dome pressure regulators brass“ plus
- pilot gas pressure regulator, in- and outlet pressure manometer and connections inclusive
 - all components fit perfectly
 - completely mounted and tested, to be immediately integrated into the process

17. PRESSURE REGULATORS

Dome pressure regulators 6L stainless steel



757 LE-ES



747 LE-ES



737 LE-ES



737 LE-HD

Powerful stainless steel pressure regulators with maximum pressure stability. For nearly all gases, including corrosive and aggressive gases

- pilot gas controlled
- low pressure differences even with very high flows
- inlet pressures up to 300 BAR
- compact design, optimised mounting dimensions

connections	max. inlet pressure*	outlet pressure	order no.
model 757 LE-ES			
(high performance dome pressure regulators, for very high flows)			
G 2" IG	40 BAR	0,5-30 BAR	278-066
model 747 LE-ES			
(universal dome pressure regulators, for high flows)			
G 1" IG	40 BAR	0,5-30 BAR	278-063
model 737 LE-ES			
(universal dome pressure regulators, for medium flows)			
G 3/4" IG	60 BAR	0,5-9 BAR	278-064
model 737 LE-HD-ES			
(high pressure dome pressure regulator, for high inlet and outlet pressures)			
G 3/4" IG	300 BAR	2-50 BAR	278-068
*dependent on type of gas			

model 757 LE-ES

(high performance dome pressure regulators, for very high flows)

G 2" IG	40 BAR	0,5-30 BAR	278-066
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model 747 LE-ES

(universal dome pressure regulators, for high flows)

G 1" IG	40 BAR	0,5-30 BAR	278-063
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model 737 LE-ES

(universal dome pressure regulators, for medium flows)

G 3/4" IG	60 BAR	0,5-9 BAR	278-064
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model 737 LE-HD-ES

(high pressure dome pressure regulator, for high inlet and outlet pressures)

G 3/4" IG	300 BAR	2-50 BAR	278-068
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*dependent on type of gas

Dome pressure regulator sets 6L stainless steel



757 LE/S-ES

747 LE/S-ES



737 LE/S-ES

737 LE-HD/S-ES

Powerful stainless steel pressure regulators with maximum pressure stability. Complete solution for pipelines. For nearly all gases, including corrosive and aggressive gases

Features see „dome pressure regulator sets brass“, p. 52

connections	max. inlet pressure*	outlet pressure	order no.
model 757 LE/S-ES			
(high performance dome pressure regulator set, for very high flows)			
flange DN 50/ANSI	40 BAR	0,5-30 BAR	192-___
G 2" IG	40 BAR	0,5-30 BAR	192-___
model 747 LE/S-ES			
(universal dome pressure regulator set, for high flows)			
G 1" IG/1" NPT IG	40 BAR	0,5-30 BAR	192-___
model 737 LE/S-ES			
(universal dome pressure regulator set, for medium flows)			
G 3/4" IG/3/4" NPT IG	60 BAR	1-9 BAR	192-___
model 737 LE-HD/S-ES			
(high pressure dome pressure regulators, for high inlet and outlet pressures)			
G 3/4" IG/3/4" NPT IG	300 BAR	2-50 BAR	192-___
*dependent on type of gas			

model 757 LE/S-ES

(high performance dome pressure regulator set, for very high flows)

flange DN 50/ANSI	40 BAR	0,5-30 BAR	192-___
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G 2" IG	40 BAR	0,5-30 BAR	192-___
---------	--------	------------	---------

model 747 LE/S-ES

(universal dome pressure regulator set, for high flows)

G 1" IG/1" NPT IG	40 BAR	0,5-30 BAR	192-___
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model 737 LE/S-ES

(universal dome pressure regulator set, for medium flows)

G 3/4" IG/3/4" NPT IG	60 BAR	1-9 BAR	192-___
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model 737 LE-HD/S-ES

(high pressure dome pressure regulators, for high inlet and outlet pressures)

G 3/4" IG/3/4" NPT IG	300 BAR	2-50 BAR	192-___
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*dependent on type of gas

17. PRESSURE REGULATORS

Dome pressure regulators

aluminium



737 LE-ND



737 LE-ND/S

Powerful pressure regulator with maximum pressure stability for low pressures. Ideal for pipelines, burners supply and mixing systems

- low pressure differences even with very high flows
- inlet pressures up to 10 BAR
- compact design, optimized mounting dimensions

connections	inlet pressure*	outlet pressure	order no.
model 737 LE-ND			
(low pressure dome pressure regulators)			
G 3/4" IG	10 BAR	0,1-2 BAR	278-049
model 737 LE-ND/S			
(low pressure dome pressure regulator set)			
G 3/4" IG	10 BAR	0,1-2 BAR	192-200
*dependent on type of gas			

Accessories



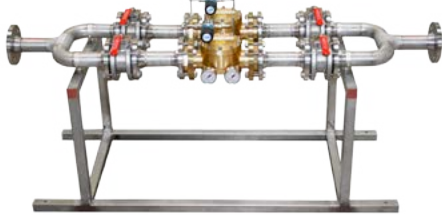
Accessories for WITT dome pressure regulators

- for perfectly matching all components of the process
- for maintenance and service
- for wall mounting

accessories

description

dome pressure regulator-plant engineering



parallel construction with 757LE/S



757LE/S with flange filter

Individual compilation and installation of a dome pressure regulator system

- planning and installation by a specialist
- oil- and grease free
- suitable for oxygen
- tested and ready for use
- short delivery time

Individual parallel construction

Example I:

4 ball valves stainless steel DN50/PN40

2 dome pressure regulators 757LE/S

manifold DN50

counter-flange

TÜV-testing, CE labeling

installation on welded mounting frame

Example II:

dome pressure regulator 757LE/S

with flange filter 50 µm filter fineness, for oxygen up to 30 BAR

with dirt catcher

delivery completely assembled and tested

more customizations possible, for example central filter, safety valve, other connection sizes, etc.

18. MOBILE PRESSURE REGULATING STATIONS

642

pressure regulating station



Mobile pressure regulating station, completely mounted and tested, ready-to-use

- for bundles

order no.

oxygen (300 BAR/ 0-20 BAR)

190211111

acetylene (25 BAR/ 0-1,5 BAR)

183112120

643

pressure regulating station



Mobile pressure regulating station, completely mounted and tested, ready-to-use

- for bundles with 4-6 integrated outlet points

order no.

4-outlets oxygen (300 BAR/ 0-10 BAR)

183000044

6-outlets oxygen (300 BAR/ 0-10 BAR)

183000049

4-outlets acetylene (25 BAR/ 0-1,5 BAR)

183000045

6-outlets acetylene (25 BAR/ 0-1,5 BAR)

183000050

Universal 704

distribution station



704 - special edition

Mobile pressure regulating station, completely mounted and tested, ready-to-use

- for pipelines or connected to model 642
- special editions on demand

order no.

4-outlets oxygen (40 BAR/ 0-10 BAR) and acetylene (1,5 BAR)

183000030

6-outlets oxygen (40 BAR/ 0-10 BAR) and acetylene (1,5 BAR)

183000031

Universal V6

distribution station



Mobile pressure regulating station, completely mounted and tested, ready-to-use

- for pipelines or connected to model 642

order no.

6-outlets oxygen (40 BAR/ 0-10 BAR)

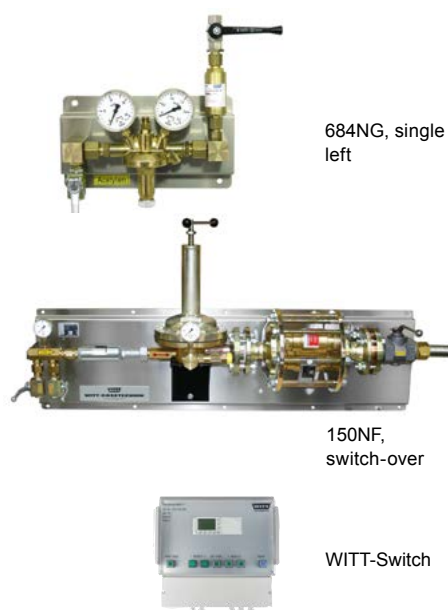
183000153

6-outlets acetylene (1,5 BAR)

183000154

Pressure regulation station

acetylene (25 BAR)



pictures exemplary

For safeguarding the continuous central acetylene supply in a ring pipeline

DIN EN ISO 14114, acetylene regulation (TRAC)
Pressure regulators according to ISO 7291

- completely mounted and tested, easy wall-mounting
- option: automatic switch-over (WITT-SWITCH)

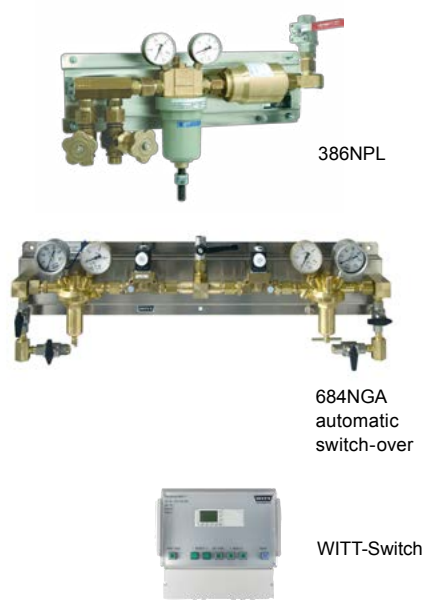
model	connection	flow	order no.
DRS 684NG	single left, +HDS17* (VI)	10 Nm³/h	193-015-001
DRS 684NG	single left, +HDS17* (HI)	10 Nm³/h	193-016-001
DRS 684NG	single left, no HDS17 (VI)	10 Nm³/h	193-001-001
DRS 684NG	single left, no HDS17 (HI)	10 Nm³/h	193-006-001
DRS 386NPL	single left (VI)	30 Nm³/h	195-001-001
DRS 150NF	single left (VI)	150 Nm³/h	190_____
DRS 684NG	both-sided, +HDS17* (VI)	10 Nm³/h	193-003-001
DRS 684NG	both-sided, +HDS17* (HI)	10 Nm³/h	193-008-001
DRS 684NG	both-sided, no HDS17 (VI)	10 Nm³/h	193-002-001
DRS 684NG	both-sided, no HDS17 (HI)	10 Nm³/h	193-007-001
DRS 386NPL	both-sided (VI)	30 Nm³/h	195-002-001
DRS 150NF	both-sided (VI)	150 Nm³/h	190_____
DRS 684NGA			
autom. switch-over	both-sided (VI)	10 Nm³/h	193-005-001
autom. switch-over	both-sided (HI)	10 Nm³/h	193-010-001
DRS 386NGA			
autom. switch-over	both-sided (VI)	30 Nm³/h	193-012-001
autom. switch-over	both-sided (HI)	30 Nm³/h	193-014-001
*shut-off device, see p. 36 (VI) - vertical inlet (HI) - horizontal inlet			

options:

WITT Switch	194-019
control Unit for automatic switch over stations 684NGA and 386NGA	
mandatory sign, conforms to type of gas	194-___
instruction plate, conforms to type of gas	194-___

Pressure regulation station

oxygen / other technical gases (300 BAR)



pictures exemplary

For safeguarding the continuous central gas supply in a ring pipeline

Pressure regulators according to ISO 7291

- completely mounted and tested, easy wall-mounting
- option: automatic switch-over (WITT-SWITCH)

model	connection	flow	order no.
DRS 684NG	single left (VI)	75 Nm³/h	193-001-___
DRS 684NG	single left (HI)	75 Nm³/h	193-006-___
DRS 386NPL	single left (VI)	200 Nm³/h	195-001-___
DRS 684NG	both-sided (VI)	75 Nm³/h	193-002-___
DRS 684NG	both-sided (HI)	75 Nm³/h	193-007-___
DRS 386NPL	both-sided (VI)	200 Nm³/h	195-002-___
DRS 684NGA			
autom. switch-over	both-sided (VI)	75 Nm³/h	193-004-___
autom. switch-over	both-sided (HI)	75 Nm³/h	193-009-___
DRS 386NGA			
autom. switch-over	both-sided (VI)	200 Nm³/h	193-011-___
autom. switch-over	both-sided (HI)	200 Nm³/h	193-011-___
(VI) - vertical inlet (HI) - horizontal inlet			

options:

WITT Switch	194-019
control Unit for automatic switch over stations 684NGA and 386NGA	
mandatory sign, conforms to type of gas	194-___
instruction plate, conforms to type of gas	194-___

Further accessories e.g. accumulated high pressure conductions, hoses for bundle- and bottle-connections etc. on demand.

In case of order please let us know the type of gas needed.

20. OUTLET POINTS

Series 610



610 - picture exemplary

Outlet point for the supply of technical gases from a ring pipeline, to be mounted at the wall

- maximum 3 gases
- to be combined individually
- completely with welding and soldering nipples for pipe
- nickel plated tube with nickel plated wall screens

order no.

mounting plate (completely mounted and tested)

610-1	one gas	290-__
610-2	two gases	290-__
610-3	three gases	290-__

ball valves

	male thread	
fuel gases max. 40 BAR	G 3/8 RH - G 3/8 LH	198107082
acetylene max. 1,5 BAR	G 3/8 RH - G 3/8 LH	198107082
oxygen max. 40 BAR	G 3/8 RH	198207072
shielding gas max. 40 BAR	G 3/8 RH	198307078

outlet point pressure regulators

acetylene max. 1,5 BAR	044112900
oxygen max. 10 BAR	044226300
shielding gas with manometer (0-30 l/min)	044524100
shielding gas with variable area flow meter (0-30 l/min)	044524000

For optional flashback arrestors and quick couplers see chapter 8-13

Series 603



603 - picture exemplary

Outlet point for the supply of technical gases from a ring pipeline, to be mounted at the wall, extendable modularly

- extendable at will
- anti-swiveling fixed pressure regulator/flashback arrestors
- to be combined individually
- completely with welding and soldering nipples for pipe
- nickel plated tube with nickel plated wall screens

order no.

mounting plate (completely mounted and tested)

603-1	one gas	280-__
603-2	two gases	280-__
603-3	three gases	280-__
603-X	extendable at will	

ball valves

	male thread	
fuel gases max. 40 BAR	G 3/8 RH - G 3/8 LH	198107082
acetylene max. 1,5 BAR	G 3/8 RH - G 3/8 LH	198107082
oxygen max. 40 BAR	G 3/8 RH	198207072
shielding gas max. 40 BAR	G 3/8 RH	198307078

outlet points-pressure regulators

acetylene max. 1,5 BAR	044112900
oxygen max. 10 BAR	044226300
shielding gas with manometer (0-30 l/min)	044524100
shielding gas with variable area flow meter (0-30 l/min)	044524000

For optional flashback arrestors and quick couplers see chapter 8-13



503 - picture exemplary

Outlet point with integrated gas filters for the supply of cutting machines, for fuel gas, heating- and cutting-oxygen

- nickel plated tube with nickel plated wall screens
- inlet with fittings and ball valves, incl. gas filter 622, flashback arrestor 85-10
- EN 730 against gas return / flame breakthrough
- completely mounted and tested
- compact design

order no.

outlet point 503 3-fold

280030091

1x acetylene, P inlet max. 1,5 BAR, max 4,5 m³/h
(inlet welding nipple OD 21.3mm, ball valve DN 10,
gas filter 622, pressure regulator, flashback arrestor 85-10,
outlet G 3/4 LH male with cone)

1x oxygen for heating, P inlet max. 16 BAR, max 45 m³/h
(inlet pipe coupler for pipe 15x1, ball valve DN 10,
gas filter 622, pressure regulator, flashback arrestor 85-10,
outlet G 3/4 RH male with cone)

1x oxygen for cutting, P inlet max. 16 BAR, max 68 m³/h
(inlet pipe coupler for pipe 15x1, ball valve DN 10,
gas filter 622, pressure regulator, flashback arrestor 85-10,
outlet G 3/4 RH male with cone)



Did you know...

... that Quality Management is one of our major topics?



Where safety has first priority, quality control is particularly important. WITT collaborates with a lot of institutes in order to guarantee the compliance with different norms and safety standards, and assures the quality via close-mesh controls - for products with an especially high safety relevance by a 100% testing.

Find the information about product certifications and controls on the current data sheet. A list of our company certificates may be downloaded at:

► www.wittgas.com ► downloads ► certificates

For an overview of our information material see p. 74-75



Test rig for the annual testing of flashback arrestors and non-return valves up to DN 50, testing:

- leak tightness to atmosphere
- non-return valve against low and high back pressure
- operating pressure of pressure sensitive gas cut off valve
- measuring of flow capacities of flashback arrestors

order no.

test set (test rig 722 + clamp 743)	101000013
test rig 722	101000010
clamp 743	101000012

inspection plates	801412700
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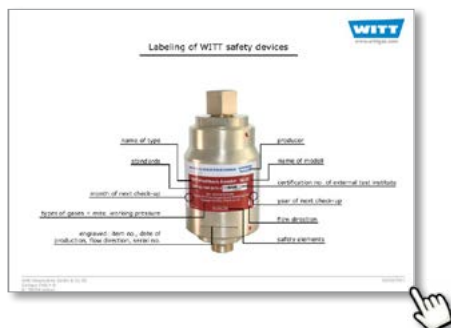
measurement liquid 50 ml (U-tube)	956904000
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**adapters for other connections on demand*

27/11/2013



Do you already know...



... the meaning of the label information?

The flashback arrestor label is like a small data sheet, containing important information. Learn the details.

Download at ► www.wittgas.com ► downloads ► flashback arrestors

For an overview of our information material see p. 74-75

22. EQUIPMENT FOR OXYGEN LANCING

LK

lance holders



Lance holders for oxygen

- for a safe and handy holding of the lance
- for a quick and safe changing

model	inlet → outlet (Ø pipe in mm)	order no.
LK-3	G 3/4 AGS → 1/8" (9,1 - 10,2)	040996500
LK-4	G 3/4 AGS → 1/4" (12,0 - 13,7)	040996200
LK-5	G 3/4 AGS → 3/8" (16,0 - 17,2)	040996100
LK-6	G 3/4 AGS → 1/2" (20,0 - 21,5)	040996300
LK-7	G 1 AGS → 3/4" (26,0 - 27,3)	040687000
inlet reducer:		
	G 3/8 AGS → G 3/4 IG	802339600K
	G 1/2 AGS → G 3/4 IG	802339700K
	G 3/4 AGS → G 1 IG	802418700K

SRV

non-return valve



Non-return valve with temperature controlled cut-off valve

- against gas return and flashback
- combinable with WITT oxygen lancing equipment
- with copper-sealing

model	inlet → outlet	order no.
SRV-2.1	3/4" AGS → 3/4" IG (up to LK 4)	040996400
SRV-2.2	3/4" AGS → 3/4" IG (from LK 5)	040686100
SRV-3	1" AGS → 1" IG (from LK 7)	040686200
inlet reducer:		
	G 3/8 AGS → G 3/4 IG	802339600K
	G 1/2 AGS → G 3/4 IG	802339700K
	G 3/4 AGS → G 1 IG	802418700K

SGR

safety extension pipe



Safety extension pipe for oxygen lancing, 300 mm

- for extending the oxygen lance without loss of safety
- combinable with WITT oxygen lancing equipment

model	inlet → outlet	order no.
SGR	G 3/4 AGS → G 3/4 MG	040210300

GHV

safety lancing valve



Safety lancing valve with lever valve

- lever valve for an immediate interruption of gas supply by unhanding
- combinable with WITT oxygen lancing equipment

model	inlet → outlet	order no.
GHV	G 3/4 AGS → G 3/4 MG	040210200

22. EQUIPMENT FOR OXYGEN LANCING

KLK

lance holder compact



Compact lance holder complete with lever valve and non-return valve with temperature controlled cut-off valve

- combination of several safety elements in one device
- compact and handy

model	inlet → outlet (Ø pipe in mm)	order no.
KLK-4	G 3/4 AGS → 1/4" (12,0 - 13,7)	040210400
KLK-5	G 3/4 AGS → 3/8" (16,0 - 17,2)	040210500
KLK-6	G 3/4 AGS → 1/2" (20,0 - 21,5)	040210600

Shut-off valve



Shut-off valve for oxygen

- for the manual interruption of the gas supply

model	connection	order no.
cut-off valve	G 3/4 IG working-overpressure max. 25 BAR	800721400

27/11/2013

 Do you already know...



... our Oxygen-lancing portfolio?

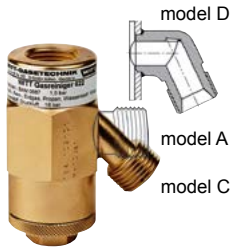
Here you will find all modules, from the outlet point up to the lance

Download at ► www.wittgas.com ► downloads ► Lance holders

For an overview of our information material see p. 74-75

23. GAS FILTERS

622



For reliable protection against contamination by ultrafine filtering of particulates (approx. 40 µm)

- broad range of uses
- change of filter possible while installed
- high flowrate
- easy mounting
- increases service life of downstream fittings and equipment

model	connections	order no.
622 A	G3/8 IG - G3/8 RH AGS	186-001
622 A	G3/8 IG - G3/8 LH AGS	186-003
622 C	G1/2 IG - G3/8 LH AGS	186-004
622 D	G1/2 IG - G3/8 LH AGS	186-005

replacement filter	955003000
--------------------	-----------

77



For reliable protection against contamination by ultrafine filtering of particulates and moisture

- with condensate drain
- increases service life of downstream fittings and equipment
- change of filter possible while installed
- high flowrate

model	connections	order no.
77 (approx. 40 µm)	G 3/4 IG	077-001
replacement filter 3-part		FI-077

77 (approx. 10 µm)	G 3/4 IG	077-004
replacement filter 3-part		FI-078

625



For reliable protection against contamination by ultrafine filtering of particulates and moisture (approx. 40 µm)

- with condensate drain
- increases service life of downstream fittings and equipment
- change of filter possible while installed
- high flowrate

model	connections	order no.
625	G 1 1/4 AG	042-001
625	flange DN 25	042-007
625	flange DN 32	042-006
625	flange DN 40	042-015
625	flange DN 50	042-016
625	flange DN 80	042-009

replacement filter 4-part	FI-625
---------------------------	--------

57

pure filter



For reliable protection against micro-contamination of gases, e.g. in laboratories or burner supplies in the glass industry (approx. 3 µm)

- resistant to corrosion by stainless steel filter inserts
- high flowrate
- increases service life of downstream fittings and equipment

model	connections	order no.
57	G 3/8 IG - G 3/8 AGS	184007070
replacement filter		FI-057

807

pure filter



For reliable protection against micro-contamination of gases, e.g. in laboratories or burner supplies in the glass industry (approx. 5 µm)

- resistant to corrosion by stainless steel filter inserts
- high flowrate
- increases service life of downstream fittings and equipment

model	connections	order no.
807 (approx. 5 µm)	1/4" NPT IG	185-002
replacement filter		956333400

27/11/2013

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With a new design and clear headings, with your personal contact, further links and current exhibitions.

Learn first about our latest products, developments, seminars, promotions, etc.

Subscribe to our newsletter today:

► www.wittgas.com ► service ► newsletter

By the way: here you will also find our news archive.



For an overview of our information material see p. 74-75

24. BALL VALVES

Ball valves

for acetylene



picture exemplary

PN25

up to max. 1,5 BAR working pressure

DIN ISO 228/1

- housing: steel
- female connections

DN / connection

length

order no.

6 / G 1/4	50 mm	198105050
8 / G 3/8	55 mm	198107071
12 / G 1/2	75 mm	198109091
20 / G 3/4	80 mm	198111110
25 / G 1	90 mm	198113130
32 / G 1.1/4	110 mm	198115152
40 / G 1.1/2	120 mm	198117172

Ball valves

for methane, LPG, shielding gas, air



picture exemplary

PN25

up to max. 25 BAR working pressure

DIN ISO 228/1

- housing: steel
- female connections

DN / connection

length

order no.

6 / G 1/4	50 mm	198305050
8 / G 3/8	55 mm	198307070
12 / G 1/2	75 mm	198309090
20 / G 3/4	80 mm	198311110
25 / G 1	90 mm	198313130
32 / G 1.1/4	110 mm	198315150
40 / G 1.1/2	120 mm	198317170

Ball valves

for oxygen



picture exemplary

PN10

up to max. 10 BAR working pressure

DIN ISO 228/1

- housing: steel
- female connections

DN / connection

length

order no.

6 / G 1/4	50 mm	198205050
8 / G 3/8	55 mm	198207070
12 / G 1/2	75 mm	198209090
20 / G 3/4	80 mm	198211110
25 / G 1	90 mm	198213130
32 / G 1.1/4	110 mm	198215151
40 / G 1.1/2	120 mm	198217170

Ball valves

for oxygen



picture exemplary

PN40

burn out safe

up to max. 40 BAR working pressure

DIN ISO 228/1

- housing: brass
- female connections

DN / connection

length

order no.

6 / G 1/4	50 mm	198205052
8 / G 3/8	55 mm	198207075
12 / G 1/2	75 mm	198209092
20 / G 3/4	80 mm	198211112
25 / G 1	90 mm	198213131
32 / G 1.1/4	110 mm	198215150
40 / G 1.1/2	120 mm	198217172

24. BALL VALVES

Ball valves



PN40

EN 560

- housing: brass nicked
- male connections

DN / connection

length order no.

for acetylene (max. 1,5 BAR):

10 / G 3/8 RH AGS - G 3/8 LH AGS 89 mm 198107082

for fuel gases (max. 40 BAR):

10 / G 3/8 RH AGS - G 3/8 LH AGS 89 mm 198107082

for oxygen (max. 40 BAR):

10 / G 3/8 RH AGS - two-sided 89 mm 198207072

for shielding gas (max. 40 BAR):

10 / G 3/8 RH AGS - two-sided 89 mm 198307078

Flange ball valve



pictures exemplary

DN

length

order no.

for acetylene (max. 1,5 BAR):

20 150 mm 198150500

25 160 mm 198147470

32 130 mm 198152521

40 140 mm 198153531

50 150 mm 198154542

65 170 mm 198155551

80 180 mm 198156560

100 190 mm 198157570

for air and shielding gas (max. 25 BAR):

20 150 mm 198350500

25 160 mm 198351511

32 130 mm 198352521

40 140 mm 198353532

50 150 mm 198354541

65 170 mm 198355552

80 180 mm 198356560

100 190 mm 198357570

for oxygen (max. 10 BAR):

20 150 mm 198250500

25 160 mm 198247470

32 130 mm 198252521

40 140 mm 198253532

50 150 mm 198254540

65 170 mm 198255551

80 180 mm 198256561

100 190 mm 198257570

PN25

EN 558-1 (DIN 3202)

- housing: steel

Flange ball valves

for oxygen



picture exemplary

PN40

up to max. 40 BAR working pressure

- housing: stainless steel
- burn out safe

DN

length

order no.

20 150 mm 198250502

25 160 mm 198251510

32 130 mm 198252523

40 140 mm 198253534

50 150 mm 198254543

65 170 mm 198255552

80 180 mm 198256562

100 190 mm 198257571

24. BALL VALVES

High pressure ball valves for acetylene



PN320

max. 25 BAR

DIN ISO 228/1

- housing: steel
- female connections

DN / connection	length	order no.
6 / G 1/4	50 mm	198105051
6 / G 3/8	72 mm	198107073
10 / G 3/8	55 mm	198107070
10 / G 1/2	72 mm	198109093
10 / G 3/4 LH AG flat	82 mm	198112120
12 / G 1/2	75 mm	198109090
20 / G 3/4	80 mm	198111114

25. SAFETY HOSE REELS

DS Automatic for fuel gases and oxygen



Safety hose reel with twin hose DN 9/6,3

- safety interlock of return mechanism provides traction relief from hose
- regular reel by hose door with roll guides on all sides
- various mounting options
- ball bearing trommel

model	length of hose	order no.
DS-08	8 m	060120800
DS-10	10 m	060121000
DS-15	15 m	060121500
DS-20	20 m	060122000
DS-25	25 m	060122500
DS-30	30 m	060123000



Did you already know...

... that WITT may help you optimally combining your supply utilities?

WITT offers the solution in the form of utilities in a modular system, the so-called MECS®, Modular Energy Compact Systems.



MECS® are variable for all industries and every welding and cutting technology application - stationary or mobile. Outlet point slots in the grid 19 inches form the basis for the integration of outlets, pressure regulators, ball valves, hose couplings, gas mixers, gas analysis, etc.

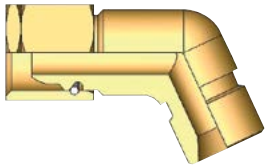
For further information see:

► www.wittgas.com ► gas safety equipment ► system solution

For an overview of our information material see p. 74-75

Angle adapters

connection A



connection B

PN10

EN 560

- A ≙ MG
- angle: 115°
- B ≙ AGS

connection A

G 1/4 RH
G 3/8 RH
G 3/8 RH
G 3/8 LH
G 3/8 LH

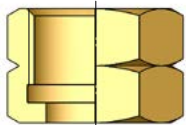
connection B

G 1/4 RH
G 1/4 RH
G 3/8 RH
G 3/8 LH
M 14x1,5 RH

order no.

100005059
100107051
100107079
100008089
100008651

Nuts



EN 560

connection

G 1/4 LH
G 1/4 RH
G 3/8 LH
G 3/8 RH
G 1/2 LH
G 1/2 RH
G 3/4 LH
G 3/4 RH
G 1 LH
G 1 RH

order no.

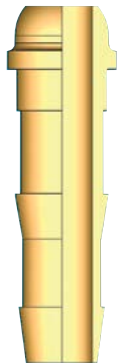
951001000
951000900
951000800
951000700
951000600
951000500
951001600
951001500
951001400
951001300

for nozzle $\varnothing \geq 12,5$ mm:

G 1/2 RH
G 1/2 LH

951019900
951020000

Nipples



DN

EN 560

female connection

for nuts

G 1/4
G 1/4
G 3/8
G 3/8
G 3/8
G 3/8
G 1/2
G 1/2
G 1/2
G 1/2
G 3/4
G 3/4

for hose DN

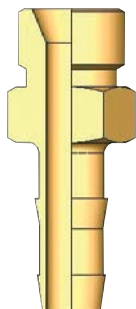
4,0
6,3
4,0
6,3
8,0
9,0
6,3
9,0
11,0
12,5
11,0
16,0

order no.

952057900
952022100
952058000
952022200
952028600
952022300
952030800
952035200
952022400
952035300
952022500
952022600

Nipples

connection A



DN

EN 560

- A ≙ AGS

male connection

connection A

G 1/4 RH
G 1/4 RH
G 3/8 RH
G 3/8 RH
G 3/8 LH
G 1/2 RH
G 1/2 LH
G 1/2 RH
G 1/2 LH

for hose DN

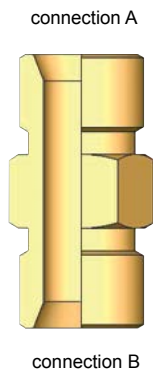
4,0
6,3
6,3
9,0
9,0
9,0
9,0
11,0
11,0

order no.

952031000
952027400
952031400
952031600
952027200
952031800
952031700
952031900
952027000

Screwed couplers

male connections



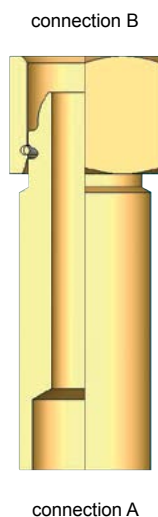
connection A	connection B	order no.
G 1/4 RH	G 1/4 RH	952006000
G 3/8 RH	G 1/4 RH	952007200
G 3/8 LH	G 1/4 RH	952007100
G 3/8 RH	G 3/8 RH	952007000
G 3/8 RH	G 3/8 LH	952007300
G 3/8 LH	G 3/8 LH	952007400
G 3/8 RH	G 1/2 RH	952015800
G 3/8 LH	G 1/2 RH	952006900
G 1/2 RH	G 1/4 RH	952014200
G 1/2 RH	G 1/2 RH	952016700
G 1/2 LH	G 1/2 RH	952016800
G 3/4 RH	G 3/8 RH	952030300
G 3/4 RH	G 3/8 LH	952042800
G 3/4 RH	G 1/2 RH	952035700
G 3/4 RH	G 1/2 LH	952042700
G 3/4 RH	G 3/4 RH	952023700
G 3/4 RH	G 3/4 LH	952023600
G 3/4 LH	G 3/4 LH	952023500
G 1 LH	G 1 RH	952073600
G 1 LH	G 1 LH	952071400
G 1 RH	G 1 RH	952030200

Male threads on both sides

EN 560

- A ≙ AGS
- B ≙ AGS

Soldering nipple



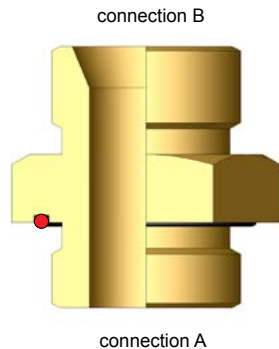
connection A	connection B	order no.
12 mm	G 3/8 RH	100007760
12 mm	G 3/8 LH	100008760
15 mm	G 1/2 RH	100009613
15 mm	G 1/2 LH	100010613
16 mm	G 1/2 RH	100009617
18 mm	G 1/2 RH	100009612
18 mm	G 1/2 LH	100010612
22 mm	G 1/2 RH	100009820
22 mm	G 1/2 LH	100010820
22 mm	G 3/4 RH	100011612
22 mm	G 3/4 LH	100012611
28 mm	G 3/4 RH	100011610
28 mm	G 3/4 LH	100012612
28 mm	G 1 RH	100013611
28 mm	G 1 LH	100014615
35 mm	G 1 RH	100013616
35 mm	G 1 LH	100014614
42 mm	G 1.1/4 RH	100015611
42 mm	G 1.1/4 LH	100016612

For pipes, with nut

EN 560

- A ≙ pipe Ø
- B ≙ MG

Screwed couplers



Male thread, O-ring

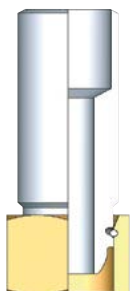
EN 560

- A ≙ AG / O-ring
- B ≙ AGS

connection A	connection B	order no.
G 1/4 RH	G 1/4 RH	952095700K
G 1/4 RH	G 1/4 LH	952095800K
G 1/4 RH	G 3/8 RH	952122400K
G 1/4 RH	G 3/8 LH	952068600K
G 3/8 RH	G 1/4 RH	952059600K
G 3/8 RH	G 3/8 RH	953138500K
G 3/8 RH	G 3/8 LH	952133500K
G 3/8 RH	G 1/2 RH	952103600K
G 3/8 RH	G 1/2 LH	952046500K
G 3/8 RH	G 3/4 LH	952106800K
G 3/8 RH	G 3/4 RH	952130000K
G 1/2 RH	G 1/4 RH	952014000K
G 1/2 RH	G 3/8 RH	952014100K
G 1/2 RH	G 3/8 LH	952013700K
G 1/2 RH	G 1/2 RH	952013800K
G 1/2 RH	G 1/2 LH	952013900K
G 1/2 RH	G 3/4 RH	952017800K
G 1/2 RH	G 3/4 LH	952017700K
G 1/2 RH	G 1 RH	952017500K
G 1/2 RH	G 1 LH	952017600K
G 3/4 RH	G 3/8 RH	952050400K
G 3/4 RH	G 3/8 LH	952064900K
G 3/4 RH	G 1/2 RH	952049200K
G 3/4 RH	G 1/2 LH	952026900K
G 3/4 RH	G 3/4 RH	952015000K
G 3/4 RH	G 3/4 LH	952014300K
G 3/4 RH	G 1 RH	952015100K
G 3/4 RH	G 1 LH	952020300K
G 1 RH	G 3/8 RH	952049700K
G 1 RH	G 3/8 LH	952049800K
G 1 RH	G 1/2 RH	952049600K
G 1 RH	G 1/2 LH	952016200K
G 1 RH	G 3/4 RH	952016100K
G 1 RH	G 3/4 LH	952016000K
G 1 RH	G 1 RH	952015900K
G 1 RH	G 1 LH	952036000K
G 1 RH	G 1 1/4 RH	952048200K
G 1 RH	G 1 1/4 LH	952048300K
G 1 1/4 RH	G 1 RH	952073500K
G 1 1/4 RH	G 1 LH	952093100K
G 1 1/4 RH	G 1 1/4 RH	952073400K
G 1 1/4 RH	G 1 1/4 LH	952070100K
G 1 1/4 RH	G 1 1/2 RH	952101100K
G 1 1/2 RH	G 1/2 RH	952102800K
G 1 1/2 RH	G 3/4 LH	952046300K
G 1 1/2 RH	G 1 RH	952038700K
G 1 1/2 RH	G 1 LH	952036100K
G 1 1/2 RH	G 1 1/4 RH	952028200K
G 1 1/2 RH	G 1 1/4 LH	952023000K
G 1 1/2 RH	G 1 1/2 RH	952060100K

Welding nipples

connection A



connection B

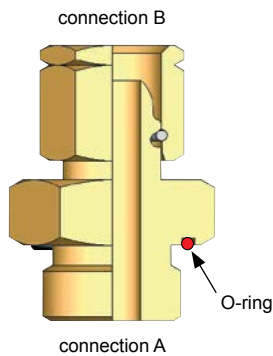
For pipes, with nut

EN 560

- A ≙ pipe Ø
- B ≙ MG

connection A	connection B	order no.
21,3 mm	G 3/8 LH	100008810
21,3 mm	G 3/8 RH	100007611
21,3 mm	G 1/2 LH	100010610
21,3 mm	G 1/2 RH	100009610
26,9 mm	G 1/2 LH	100010611
26,9 mm	G 3/4 LH	100012610
26,9 mm	G 3/4 RH	100011611
26,9 mm	G 1 LH	100014610
26,9 mm	G 1 RH	100013610
33,7 mm	G 1 LH	100014612
33,7 mm	G 1 RH	100013614
42,0 mm	G 1 1/4 LH	100016610
42,0 mm	G 1 1/4 RH	100015610

Male / female couplers



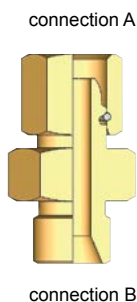
Male thread, O-ring and nut

EN 560

- A ≙ AG / O-ring
- B ≙ MG

connection A	connection B	order no.
G 1/4 RH	G 1/4 RH	100005055K
G 1/4 RH	G 1/4 LH	100005060K
G 1/4 RH	G 3/8 RH	100107054K
G 1/4 RH	G 3/8 LH	100008051K
G 3/8 RH	G 3/8 LH	100008073K
G 3/8 RH	G 1/2 LH	100010070K
G 3/8 RH	G 1/2 RH	100009073K
G 3/8 RH	G 3/8 RH	100207071K
G 1/2 RH	G 3/8 RH	100007092K
G 1/2 RH	G 3/8 LH	100008092K
G 1/2 RH	G 1/2 RH	100009094K
G 1/2 RH	G 1/2 LH	100010091K
G 1/2 RH	G 3/4 RH	100111090K
G 1/2 RH	G 3/4 LH	100012090K
G 1/2 RH	G 1 RH	100013096K
G 3/4 RH	G 1/2 RH	100009115K
G 3/4 RH	G 1/2 LH	100010110K
G 3/4 RH	G 3/4 RH	100011116K
G 3/4 RH	G 3/4 LH	100012110K
G 3/4 RH	G 1 RH	100013114K
G 3/4 RH	G 1 LH	100014110K
G 1 RH	G 1/2 LH	100010130K
G 1 RH	G 3/4 RH	100011130K
G 1 RH	G 3/4 LH	100012130K
G 1 RH	G 1 RH	100013135K
G 1 RH	G 1 LH	100014131K
G 1 RH	G 1.1/4 RH	100015130K
G 1 RH	G 1.1/4 LH	100016130K

Male / female couplers



Male thread, nut

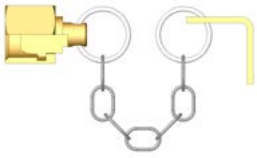
EN 560

- A ≙ MG
- B ≙ AGS

connection A	connection B	order no.
G 1/4 RH	G 3/8 RH	100005072
G 1/4 RH	G 3/8 LH	100005081
G 3/8 RH	G 1/4 RH	100107053
G 3/8 RH	G 3/8 LH	100007086
G 3/8 LH	G 3/8 LH	100108081
G 3/8 RH	G 3/8 RH	100107072
G 3/8 LH	G 3/8 RH	100008077
G 3/8 RH	G 1/2 RH	100007095
G 3/8 RH	G 1/2 LH	100007101
G 3/8 LH	G 1/2 RH	100008093
G 3/8 LH	G 1/2 LH	100008106
G 1/2 RH	G 1/2 LH	100009103
G 1/2 RH	G 1/4 RH	100009055
G 1/2 RH	G 3/8 LH	100009080
G 3/4 RH	G 1/2 RH	100011092
G 1 RH	G 3/4 RH	100013116
G 1 RH	G 3/4 LH	100013121
G 1 RH	G 1 LH	100013140

Cap with chain

connection A



EN 560

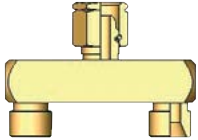
- A ≙ MG

connection A

	order no.
G 1/4 RH	100005000
G 3/8 RH	100007000
G 3/8 LH	100008000
G 1/2 RH	100009000
G 1/2 LH	100010000
G 3/4 RH	100011000
G 3/4 LH	100012000
G 1 RH	100013000
G 1 LH	100014000

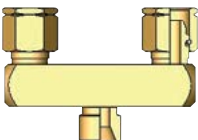
Distribution block

connection A



connection B

connection A



connection B

EN 560

top:

- A ≙ MG
- B ≙ AGS

lower part:

- A ≙ MG
- B ≙ AGS

connection A

connection B

order no.

top:

G 1/4 RH	G 1/4 RH AGS	788-003
G 3/8 LH	G 3/8 LH AGS	788-001
G 1/2 LH	G 3/8 LH AGS	788-005
G 1/2 LH	G 1/2 LH AGS	788-007

lower part:

G 1/4 RH	G 1/4 RH AGS	788-004
G 3/8 LH	G 3/8 LH AGS	788-002
G 1/2 LH	G 3/8 LH AGS	788-006
G 1/2 LH	G 1/2 LH AGS	788-008

WITTFIX-pipe couplers



pipe



WITTFIX

nut

connection A

pipe Ø mm	connection A	order no.
6 x 1,0	G 1/8 RH	956543800
6 x 1,0	1/4"-NPT	956659900
6 x 1,0	G 1/4 RH	956580300
6 x 1,0	G 3/8 RH	956544100
8 x 1,0	G 1/8 RH	956567300
8 x 1,0	1/4"-NPT	956618500
8 x 1,0	G 1/4 RH	956543900
8 x 1,0	G 3/8 RH	956565900
8 x 1,0	G 1/2 RH	956676100
10 x 1,0	1/4"-NPT	956596400
10 x 1,0	G 1/4 RH	956528200
10 x 1,0	3/8"-NPT	956673500
10 x 1,0	G 3/8 RH	956532000
10 x 1,0	G 1/2 RH	956559000
12 x 1,0	1/4"-NPT	956596500
12 x 1,0	G 1/4 RH	956551900
12 x 1,0	G 3/8 RH	956743700
12 x 1,0	1/2"-NPT	956553200
12 x 1,0	G 1/2 RH	956544300
15 x 1,0	3/8"-NPT	956678400
15 x 1,0	1/2"-NPT	956678200
15 x 1,0	G 1/2 RH	956657700
22 x 1,0	G 1 RH	956657800

For copper- or stainless steel pipes
max. 25 BAR working pressure

EN 560

- A ≙ AG
- containing: nut, O-ring, pressure ring, screwed coupler, cap nut

WITTFIX-pipe couplers



pipe Ø mm	connection A	connection B	order no.
6 x 1,0	G 1/4 RH		956725400
6 x 1,0	G 3/8 LH		956659700
6 x 1,0	G 3/8 RH		956725500
6 x 1,0		G 1/4 RH	956745700
6 x 1,0		G 3/8 LH	956659600
6 x 1,0		G 3/8 RH	956741800
8 x 1,0	G 1/4 RH		956753600
8 x 1,0	G 3/8 LH		956723700
8 x 1,0	G 3/8 RH		956746300
8 x 1,0	G 1/2 LH		956725700
8 x 1,0	G 1/2 RH		956725600
8 x 1,0		G 1/4 RH	956746200
8 x 1,0		G 3/8 LH	956740100
8 x 1,0		G 3/8 RH	956623000
8 x 1,0		G 1/2 LH	956753900
8 x 1,0		G 1/2 RH	956754000
10 x 1,0	G 1/4 RH		956753700
10 x 1,0	G 3/8 LH		956725800
10 x 1,0	G 3/8 RH		956725900
10 x 1,0	G 1/2 LH		956726100
10 x 1,0	G 1/2 RH		956726000
10 x 1,0		G 1/4 RH	956648100
10 x 1,0		G 3/8 LH	956753400
10 x 1,0		G 3/8 RH	956718100
10 x 1,0		G 1/2 LH	956754900
10 x 1,0		G 1/2 RH	956755000
12 x 1,0	G 1/4 RH		956755100
12 x 1,0	G 3/8 LH		956677400
12 x 1,0	G 3/8 RH		956717900
12 x 1,0	G 1/2 LH		956726400
12 x 1,0	G 1/2 RH		956726300
12 x 1,0		G 1/4 RH	956754800
12 x 1,0		G 3/8 LH	956668600
12 x 1,0		G 3/8 RH	956717100
12 x 1,0		G 1/2 LH	956697500
12 x 1,0		G 1/2 RH	956697600
15 x 1,0	G 3/8 LH		956678900
15 x 1,0	G 3/8 RH		956678500
15 x 1,0	G 1/2 LH		956679100
15 x 1,0	G 1/2 RH		956678700
15 x 1,0		G 3/8 LH	956679000
15 x 1,0		G 3/8 RH	956678600
15 x 1,0		G 1/2 LH	956679200
15 x 1,0		G 1/2 RH	956678800

For the integration of a safety device into the copper- or stainless steel pipelines

max. 25 BAR working pressure

thread-connection: EN 560

- A ≙ AGS
- B ≙ MG

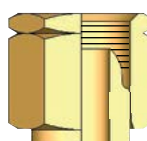
Types of threads:



IG -
simple
female thread



AG -
simple
male thread



MG -
female thread with ball head,
metallic self-sealing



AGS -
male thread with
counterbore

Turning of threads:

- RH** right-handed
- LH** left-handed

Trainings

Topics:

- Gas safety equipment
- Gas mixing systems
- Gas analysing systems
- Leak detection systems

The training will be supplied dependent on the knowledge of the attendees. It covers a theoretical and a practical part according to the required topics.
By request a test can be held at the end of the training.

Location: WITT headquarter in Witten

Minimum attendance: 4 persons

Maximum attendance: 8 persons

Documentations, Certifications and Instruction manuals

	order no.
Material Certificate according to DIN EN 10204 - 3.1	998.180000
Manufacturer's Certificate according to DIN EN 10204	998.190000
Declaration of Conformity to ATEX	998.440003
Declaration of Conformity to EMV / Low Voltage Directive	998.440004
Declaration of Conformity 'Pressure Devices' (PED)	998.440002
Printed Operation Manual	998.300011
Declaration of Conformity 'Pressure Devices' (PED) Module G by German TÜV	998.260001
Manufacturer's Certificate according to DIN EN ISO 22000	998.440005

General Terms and Conditions

All information given in this catalogue is subject to change, errors excepted.

When ordering please specify order numbers.

The entire text of our General Terms and Conditions may be downloaded at www.wittgas.com

Conversion of measuring units:

Pressure all pressure specifications are in BARG
10 BAR = 145 PSI

Flow 10 m³/h = 353 SCFH

Temperature 10°C = 50° Fahrenheit

Volume 10 litres = 21 pints / 2.2 gallons

Length 10 mm = 0.3937 inches
1 m = 39.37 inches

Please note:

A lot of our information material is available in 9 other languages.

Please choose on website:



For US-versions of brochures and data sheets see English website.

Brochures

Overview MAP-portfolio



Gas analysis



Leak detection



MAP for fruit and vegetables



Synthetic-air gas mixer



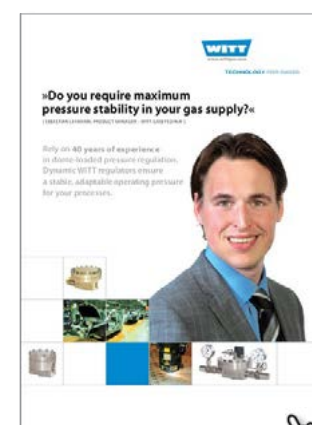
Central gas supply



Stainless steel devices



Dome pressure regulators



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Videos

WITT company video



Flashback arrestors



Leak detection



OXYBABY 6.0



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Poster:
Flashback arrestors for
fuel gases



► Flashback arrestors

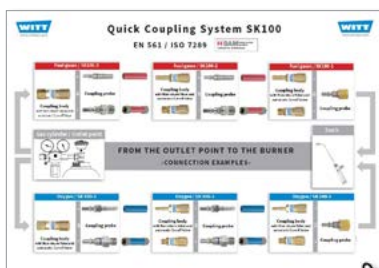
Flyer:
Thermal processing -
overview



► Thermal processing

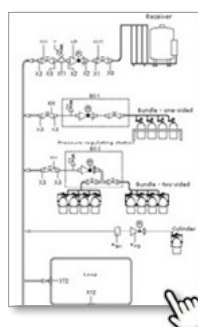
WITT service

Overview:
Coupling system SK100



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Planning aid:
Gas mixing plant



► service
► Installation kit example

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Info sheet: Labeling of
flashback arrestors



► downloads
► Flashback arrestors

WITT-App

iGases
Interactive lexicon for technical gases



iGases for
Apple

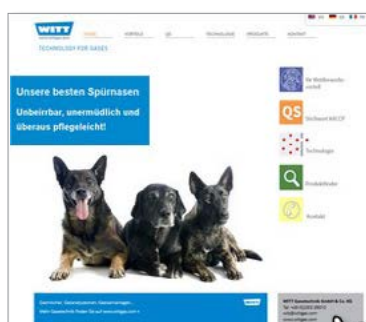


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Android

Download at google play or at the apple app store

WITT-Microsites

Everything about
WITT leak detection



► www.leak-master.net

Everything about
WITT dome pressure regulators



► www.domepressureregulators.com

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
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- Pressure regulators
- Lance holders
- Ball valves
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- Customised safety devices

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