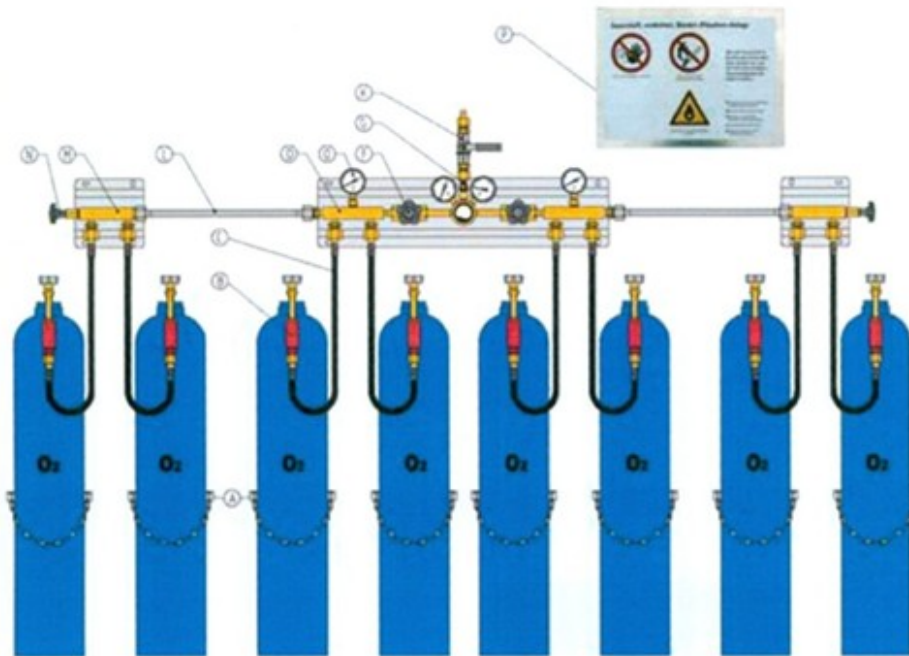


Gas-Manifold-System (GMS) for 8 Oxygen cylinders (double sided)



Controls and instruments are mounted on a stainless steel plate in modular system. Depending on the type, the manifold consists of completely assembled components free from oil and grease:

- A Cylinder mounts
Typ: FH
- B High pressure non-return valve
Typ: RSV (EN15615) [BAM Approval No. BAM ZBA/009/004]
- C High pressure pig tails:
(EN 14113)
- D High pressure collection block:
HD-VB 1/4NPT
- F High pressure isolation valve:
DV [Approval No. EN 961]
- G Regulator:
e.g. HSD-BT-300/20 (EN 961)
- K Isolation Valve
Typ: LAV - KH 15-63
- L High pressure connection tube
Typ: HDVR-415
- M High pressure collection block:
HD-VB 1/4NPT
- N Exhaust valve
- O Gauge
- P Information sign
- Fixing material
- Instruction manual

Gas Manifold System for Oxygen and technical Gases (Cylinders)



GMS-DV-BT-300/ 20 - 2x2

Designation	Art. No.	Components	Regulator
GMS-BT-300/20-1x1 1x1 Cylinder 200 bar/300 bar	3002-0631	DGK	flow-rate 60 m ³ /h
GMS-DV-BT-300/20-2x1 2x1 Cylinder 200 bar/300 bar (double sided)	3002-0632	DFGK	60 m ³ /h
GMS-DV-BT-300/20-2x2 2x2 Cylinders 200 bar/300 bar (double sided)	3002-0633	DFGK	60 m ³ /h
GMS-BT-300/20-1x2 1x2 Cylinders 200 bar/300 bar (single sided)	3002-0634	DGK	60 m ³ /h

Gas Manifold System for Oxygen and technical Gases (Bundles)



GMS-DV-GVW-U13-300/20 - 2x1

Designation	Art. No.	Components	Regulator
GMS-DV-U13-300/20-2x1 2x1 Bundle 200 bar/300 bar (double sided)	3002-0635	DFGK	flow-rate 320 m ³ /h
GMS-DV-U13-300/20-2x2 2x2 Bundles 200 bar/300 bar (double sided)	3002-0636	DFGK	320 m ³ /h
GMS-DV-GVW-U13-300/20-2x1 2x1 Bundle 200 bar/300 bar (double sided) with gas preheater	3002-0637	DFGK	320 m ³ /h

Other gas manifold systems on request

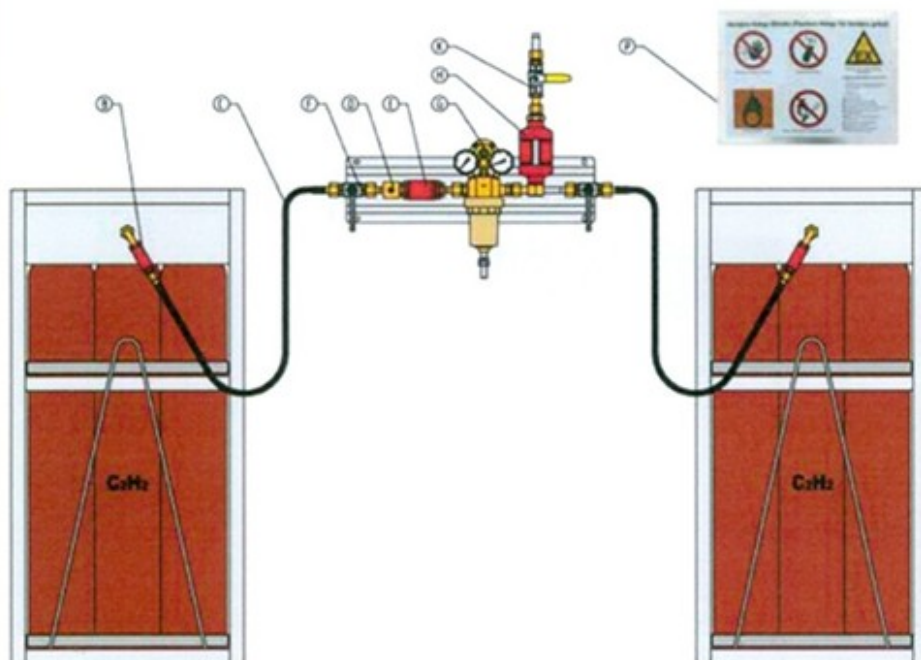
Automatic switch over system for Oxygen and technical gases



GMS-AU-M-KM-BT-300/10-ZFB1-DHMNOPY

Designation	Art. No.	Components	Regulator flow-rate
GMS-AU-M-KM-BT-300/10-ZFB1-DHMNOPY automatic switch over system (mechanical) 2x1 Bundle or Cylinder 200 bar/300 bar	3002-0638	GK	60 m ³ /h
GMS-AU-P-KM-BT-300/10-ZFB1-DHMNOPY automatic switch over system (pneumatical) 2x1 Bundle or Cylinder 200 bar/300 bar	3002-0640	GK	60 m ³ /h

Gas-Manifold-System (GMS) for 2 Acetylene Bundle Batteries (double sided)



Controls and instruments are mounted on a stainless steel plate in modular system.

Depending on the type, the manifold consists of completely assembled components free from oil and grease:

- B High pressure non-return valve
Typ: RSV (EN15615) [BAM Approval No. BAM ZBA/009/004]
- C High pressure pig tail:
(EN 14113)
- D High pressure collection block:
HD-VB 1/4NPT
- E Automatic quick action shut-off
Typ: SSE (EN15615) [Approval No. BAM ZBA/009/004]
- F High pressure isolation valve:
DV [Approval No. EN 961]
- G Regulator:
e.g. HSD-BT-25/1,5 (EN 961)
- H Safety Device:
e.g. SIMAX 3 (EN730)
[BAM Approval No. ZBA/007/03]
- K Isolation valve:
Typ: LAV - KH 15-63
- L High pressure connection tube
Type: HDVR-415
- P Information sign
- Fixing material
- Information manual


Gas Manifold System for Acetylene Cylinders




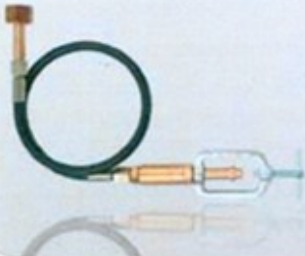
GMS-SSE-BT-25/1,5-DG91N - 1x2

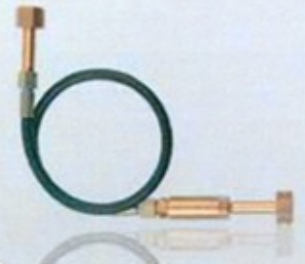
Designation	Art. No.	Components	Regulator flow-rate
GMS-SSE-BT-25/1,5-DG91N-1x1 1x1 Cylinder 25 bar	3002-0626	DEGHK	5 m ³ /h
GMS-DV-SSE-BT-25/1,5-DG91N-2x1 2x1 Cylinder 25 bar (double sided)	3002-0627	DEFGHK	5 m ³ /h
GMS-SSE-BT-25/1,5-DG91N-1x2 1x2 Cylinders 25 bar (single sided)	3002-0628	DEGHK	5 m ³ /h


Gas Manifold System for Acetylene Bundles		Designation	Art. No.	Components	Regulator flow-rate
 <p>GMS-BKH-SSE-U13-25/1,5-SIMAX3-2x1</p>		GMS-DV-SSE-U13-25/1,5-DG91N-2x1	3002-0629	DEFGHK	7 m ³ /h
		GMS-DV-SSE-U13-25/1,5-SIMAX3-2x1	3002-0630	DEFGHK	24 m ³ /h

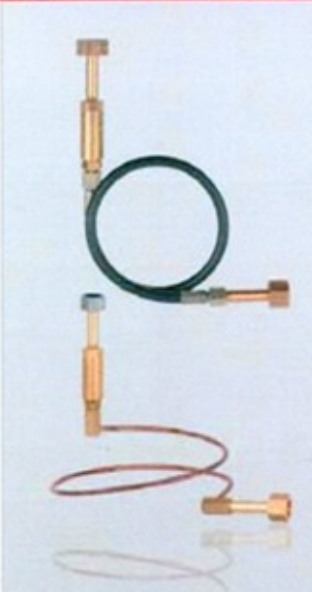
Automatic switch over system for Acetylene		Designation	Art. No.	Components	Regulator flow-rate
 <p>GMS-AU-M-KM-BT-25/1,5-ZFB1-A</p>		GMS-AU-M-KM-BT-25/1,5-ZFB1-A	3002-0639	DEGKH	5 m ³ /h
		automatic switch over system (mechanical)			

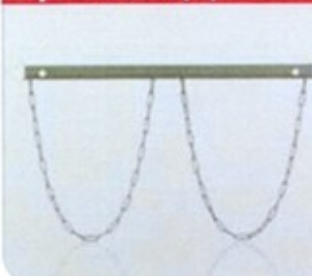
Cylinder/Bundle-Battery collection pipe		Designation	Art. No.	Components
 <p>High pressure distribution block with connecting pipe</p>		single-sided 2 Cylinder	FBSL-E-2 3002-0646	LM
		double-sided 2 Cylinder	FBSL-Z-2 3002-0647	LM
		double-sided 4 Cylinder	FBSL-Z-4 3002-0648	LM
		single-sided 2 Bundle	BBSL-E-2 3002-0649	LM
		double-sided 2 Bundle	BBSL-Z-2 3002-0650	LM

Cylinder connection tube		Designation	Length	Art. No.	Components
 <p>Cylinder connection tube (FAS) Acetylene 25 bar with integrated gas-non-return valve.</p>	FAS	Acetylene	1000	0181-0371	BC

Bundle connection tube		Designation	Length	Art. No.	Components
 <p>Bundle connection tube (BAS) Acetylene 25 bar with integrated gas-non-return valve.</p>	BAS	Acetylene	1800	0181-0377	BC
	BAS	Acetylene	2500	0181-0383	BC

Cylinder/Bundle Connection Tube (300 bar)		Designation	Length	Art. No.	Components	
	<p>Cylinder-/Bundle connection tube for Oxygen and technical gases following EN15615 with approved high pressure non-return valve for working pressure of 300 bar. (On request available with integrated venting valve).</p>	FAS	Inert Gas	1000	0181-0392	B,C,N
		BAS	Inert Gas	1800	0181-0396	B,C,N
		BAS	Inert Gas	2500	0181-0400	B,C,N
		FAS	Compr. Air	1000	0181-0393	B,C,N
		BAS	Compr. Air	1800	0181-0397	B,C,N
		BAS	Compr. Air	2500	0181-0401	B,C,N
		FAS	Fuel Gas	1000	0181-0391	B,C,N
		BAS	Fuel Gas	1800	0181-0395	B,C,N
		BAS	Fuel Gas	2500	0181-0399	B,C,N
		FAS	Oxygen	1000	0181-0390	B,C,N
		BAS	Oxygen	1800	0181-0394	B,C,N
		BAS	Oxygen	2500	0181-0398	B,C,N

Cylinder/Bundle Connection Tube (200 bar)		Designation	Length	Art. No.	Components	
	<p>Cylinder-/Bundle connection tube for Oxygen and technical gases following EN15615 with approved high pressure non-return valve for working pressure of 200 bar. (On request available with integrated venting valve). *1 Stainless steel hose *2 Copper connection pipe</p>	FAS	Fuel Gas	1000	0181-0373	B,C
		BAS	Fuel Gas	1800	0181-0379	B,C
		BAS	Fuel Gas	2500	0181-0385	B,C
		FAS	Inert Gas	1000	0181-0374	B,C
		BAS	Inert Gas	1800	0181-0380	B,C
		BAS	Inert Gas	2500	0181-0386	B,C
		FAS*1	Oxygen	1000	0181-0372	B,C
		BAS*1	Oxygen	1800	0181-0378	B,C
		BAS*1	Oxygen	2500	0181-0384	B,C
		FAL*2	Oxygen	1000	0437-0213	B,C
		BAL*2	Oxygen	1800	0437-0214	B,C
		BAL*2	Oxygen	2500	0437-0215	B,C
		FAS	Nitrogen	1000	0181-0375	B,C
		BAS	Nitrogen	1800	0181-0381	B,C
		BAS	Nitrogen	2500	0181-0387	B,C
		FAS	Compr. Air	1000	0181-0376	B,C
		BAS	Compr. Air	1800	0181-0382	B,C
BAS	Compr. Air	2500	0181-0388	B,C		

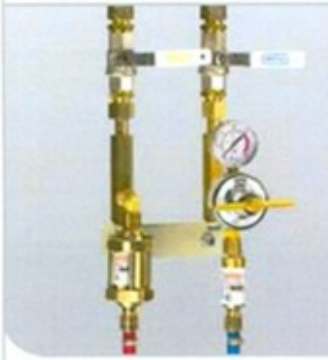
Cylinder Mounts (FH)		Designation	Art. No.	Components	
		FH 1	All gases except Propane	0443-0055	A
		FH 1	Propane	0443-0053	A
		FH 2	All gases except Propane	0443-0052	A
		FH 2	Propane	0443-0054	A
		FH 3	All gases except Propane	0443-0056	A
		FH 3	Propane	0443-0057	A

Tapping Points



Tapping point E1 complete as shown, incl. bracket, tapping point regulator and safety device DGN.

Tapping points feature compact construction and high reliability and safety.



Tapping point E10 complete (example)

Brackets for quick installation of tapping points made of steel plastic coated.

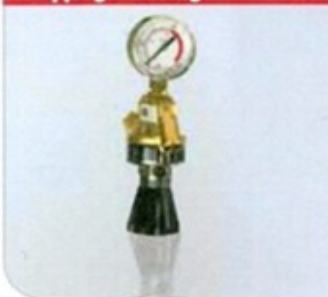
Designation Gas Type Art. No.

E1	A/O		
E1	Acetylene	G3/8LH	0439-0102
E1	Oxygen	G3/8RH	0439-0103
E1	Fuel Gas	G3/8LH	0439-0104
E1	Inert Gas	G3/8RH	0439-0105

E10	Acetylene	G1/2LH	0439-0106
E10	Oxygen	G1/2RH	0439-0107
E10	Fuel Gas	G1/2LH	0439-0108
E10	Inert Gas	G1/2RH	0439-0109

	Length	
1 pc.	85	0158-0001.B
2 pcs.	180	0158-0002.B
3 pcs.	310	0158-0003.B
4 pcs.	440	0158-0004.B

Tapping Point Regulators

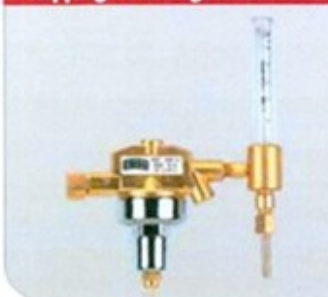


Tapping point regulators consist of a sturdy brass housing with gauges.

Designation Art. No.

Designation	Gas Type	Q Nm ³ /h	Art. No.
EDH	Acetylene	9	0432-0471
EDH	Oxygen	60	0432-0472
EDH	Hydrogen	60	0432-0474
EDH	Propane/Butane	5	0432-0473
EDH	Inert Gas	60	0432-0475
EDH	Inert Gas	0-30 NI/min	0432-0476

Tapping Point Regulators



Tapping point regulators consist of a sturdy brass housing with flowmeter and regulating valve.

Designation Art. No.

Designation	Gas Type	Q NI/min	Art. No.
EDFH	Inert Gas	30	0432-0477
EDFH	Inert Gas	14	0432-0478
EDFH	Forming Gas	23	0432-0460
EDFH	Forming Gas	14	0432-0461

Tapping Point Regulators



Tapping point regulators for higher flow rates e.g. in flame cutting plants, consist of a sturdy brass housing with gauges following EN562.

Designation		Art. No.	
		Q Nm ³ /h	
EDHH	Oxygen	120	0432-0480
EDHH	Inert Gas	120	0432-0481
EDHH	Acetylene	16	0432-0470

Gas Tapping Column



Gas tapping column (GES) with ball valves, but without armatures are used for gas supply to several welding places up to 4x3 gases. The column is equipped with 4 pcs. of tapping point regulators and each 4 pcs. of DGN flashback arrestors for fuel gas, oxygen and inert gas. Hoses and welding devices are available on request.

Designation		Art. No.	
GES	4x 3 Tapping Points		3002-0002

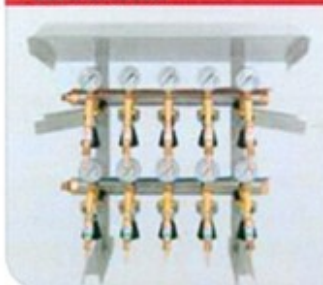
Gas Distributor



Gas distributor (GEV) with ball valves, but without armatures are used for Oxygen or Fuel Gas supply to 5 welding places at construction sites. Working pressure: 20 bar. Tapping point regulators and safety devices available on request.

Designation		Art. No.	
GEV-5	Fuel Gas		0403-0073
GEV-5	Non-Fuel Gases		0403-0072

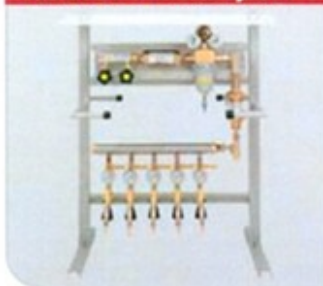
Gas Distributor



Gas distributor (GEV) with ball valves, but without armatures are used for Fuel Gas and Oxygen supply to 5 welding places at construction sites. Working pressure: 40 bar. Tapping point regulators and safety devices available on request.

Designation		Art. No.	
GEV-10	1x Fuel Gas 1x Non-Fuel Gases		0403-0074

Mobile Gas Manifold System



Mobile gas manifold system for gas supply at construction sites out of bundles. Tapping point regulators and safety devices available on request.

Designation		Art. No.	
TGMS	Oxygen		0403-0105
TGMS	Acetylene		0403-0106
TGMS	Non-Fuel Gases		0403-0107
TGMS	Fuel Gas		0403-0108

Gas Manifold at Bundle

The mobile gas manifold, equipped with all necessary safety devices like automatic quick action shut-off valve and decomposition arrestor ensures the Acetylene supply out of one bundle.

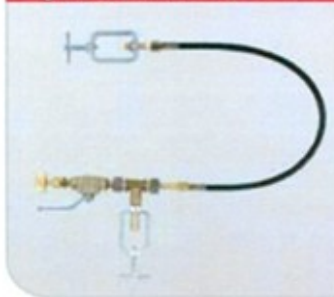
Designation**Art. No.**

GMS-A7-U13-SIMAX-1X1 – G1/2LH
for Acetylene

3002-0651

Hanger

0097-0031

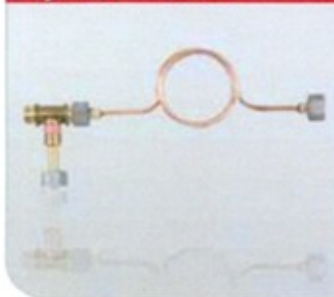
Cylinder Connections

Cylinder connections (FK) for two or more Acetylene cylinders with approved ball valve as high pressure shut-off valve.

Designation**Art. No.**

FK-A2 Acetylene 2 cylinders 0437-0121

FK-A3 Acetylene 3 cylinders 0437-0131

Cylinder Connections

Cylinder connections (FK) for two or more cylinders
Connection pipe:
• Oxygen: Copper spiral (200 bar)
• Fuel Gas: hose pipe

Designation**Art. No.**

FK-S2 Oxygen 2 cylinders 0437-0122

FK-S3 Oxygen 3 cylinders 0437-0132

FK-B2 Fuel Gas 2 cylinders 0437-0123

FK-B3 Fuel Gas 3 cylinders 0437-0133

Gas Preheater with CE/VDE sign

Gas preheater (GVW) 230 VAC/50 Hz. With 1,5 meter cable for pre-warming of gases in high pressure system up to 300 bar. Capacity: 250 Watt. Cylinder connections following DIN477 and CEN are available on request.

Designation**Art. No.**

Oxygen 300 bar 3002-0599

Inert Gas 300 bar 3002-0600

Oxygen 200 bar 3002-0501

Inert Gas 200 bar 3002-0502

Nitrogen 200 bar 3002-0601

Laughing Gas 200 bar 3002-0503



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