



Flüssiggas-Anlagen

»Group 16«

Regulators

Emergency Shut-Off Valves



Flüssiggas-Anlagen GmbH • Peiner Straße 217 • D - 38229 Salzgitter (Germany)
Tel. +49 (0) 53 41 / 86 97-0 • Fax +49 (0) 53 41 / 86 97-11
E-Mail: info@fas-uni.de • <http://www.fas-uni.de>



Regulator PN 25, middle pressure, with 1/4" NPT lateral connection for pressure gauge, with test report 2.2 to EN 10 204

Admission Pressure: up to 16 bar

Order No.	RegO	Connection	Capacity up to	Weight (kg)
Back Pressure: 0,2 - 1,7 bar				
16 009*	AA1582 MW	1/4" NPT	20 m ³ /h NH ₃	0,7
Back Pressure: 1,5 - 3,5 bar				
16 000*	AA1582 ML	1/4" NPT	22 m ³ /h NH ₃	0,7
16 001	1584 ML	1/2" NPT	80 kg/h	0,9
16 002*	AA1584 ML	1/2" NPT	45 m ³ /h NH ₃	0,7
16 003	1586 ML	3/4" NPT	160 kg/h	1,4
16 004*	AA1586 ML	3/4" NPT	70 m ³ /h NH ₃	1,4
16 005	1588 ML	1" NPT	160 kg/h	1,3
Back Pressure: 3,1 - 8,6 bar				
16 007	1584 MH	1/2" NPT	80 kg/h	0,9
16 008	1588 MH	1" NPT	160 kg/h	1,3



Regulator PN 25, middle pressure, with 1/4" NPT lateral connection for pressure gauge, suitable for liquid or vapour service, with test report 2.2 to EN 10 204

Admission Pressure: up to max. 16 bar

Capacity: up to max. 80 kg/h

Order No.	Fisher	Connection	Back Pressure	Weight
16 011	64/35	1/2" NPT	0,3 - 2,5 bar	1,0
16 012	64/36	1/2" NPT	2,0 - 4,0 bar	1,0



Regulator PN 25, middle pressure, with lateral connection for vent line, with test report 2.2 to EN 10 204

Admission Pressure: up to 16 bar

Order No.	Fisher	Connection	Back Pressure	Capacity up to	Weight
16 015	627-7710	1" NPT	0,4 - 1,4 bar	230 kg/h	2,2
16 016	630-104/78	2" NPT	0,6 - 1,4 bar	300 kg/h	15,8



Regulator PN 25, low pressure, compact two-stage regulator, with integral relief valve, connection for pressure tap: RegO model 3/4" NPT, Fisher model 1/4" NPT, with test report 2.2 to EN 10 204

Admission Pressure: up to 16 bar

Back Pressure: 25 - 50 mbar

Order No.	Type	Connection		Capacity up to	Weight (kg)
		Inlet	Outlet		
16 019	R 532BCG	1/4" NPT	1/2" NPT	15 kg/h	0,9
16 020	R 532CFG	1/4" NPT	3/4" NPT	15 kg/h	0,9
RegO					
16 021	LV404B4	1/4" NPT	1/2" NPT	11 kg/h	1,6
16 022	LV404B46	1/4" NPT	3/4" NPT	11 kg/h	1,6



Regulator PN 25, middle pressure, with test report 2.2 to EN 10 204

Admission Pressure: up to 16 bar

Back Pressure: 1,5 - 2,0 bar

Capacity: up to 24 kg/h

Order No.	Connection		Weight
	Inlet	Outlet	
16 023	POL	G 3/8" male	0,70
16 024	POL	12 mm compression fitting	0,60
16 025	POL	15 mm compression fitting	0,63



The capacities listed are based on the assumption that the admission pressure is at least 1.5 bar higher than the back pressure.

Regulator PN 16, low pressure, with test report 2.2 to EN 10 204

Admission Pressure: up to 16 bar

Back Pressure: 50 mbar

Order No.	RegO	Connection		Capacity up to	Weight (kg)
		Inlet	Outlet		
16 013	LV5503 B6	3/4" NPT	3/4" NPT	25 kg/h	1,30
16 014	LV5503 B4	1/2" NPT	3/4" NPT	25 kg/h	1,25
16 017	LV4403 B46	1/2" NPT	3/4" NPT	20 kg/h	1,30
16 018	LV4403 B4	1/2" NPT	1/2" NPT	12 kg/h	1,30



Further regulators from the **RegO** range in accordance with your specific requirements on request.

RegO offers a complete range of regulators, tank fittings and equipment to meet your special requirements.

RegO produces regulators and fittings for all applications and for a wide range of industrial gases.

Ask for **RegO-Cryogenic Equipment Catalogue**.

Regulator PN 2,5, low pressure, with integral relief valve, connection for pressure tap: 3/4" NPT, with test report 2.2 to EN 10 204

Admission Pressure: up to 2,5 bar

Order No.	Fisher	Connection	Back Pressure	Weight (kg)
Capacity: up to 40 kg/h				
16 031	R422 CDG	3/4" NPT	25 - 100 mbar	2,36
16 032	R522 H-DFJ	3/4" NPT	450 - 700 mbar	2,50
Capacity: up to 20 kg/h, connection for pressure tap: 1/4" NPT				
16 033	R522 CFG	1/2" NPT Inlet 3/4" NPT Outlet	20 - 70 mbar	1,20



Regulator PN 2,5, low pressure, with integral relief valve, connection for pressure tap: 3/4" NPT, with test report 2.2 to EN 10 204

Admission Pressure: up to 1,7 bar

Back Pressure: 35 - 70 mbar

Capacity: up to 45 kg/h

Order No.	Fisher	Connection	Weight
16 041	S102 L-BFC	3/4" NPT	2,27
16 042	S102 L-CFC	1" NPT	2,27
16 043	S102 L-FFC	1 1/4" NPT	2,27
16 044	S102 L-KFC	1 1/2" NPT	2,27



Regulator PN 2,5, low pressure, with integral relief valve, connection for pressure tap: 1" NPT, with test report 2.2 to EN 10 204

Admission Pressure: 1,0 bar

Back Pressure: 30 - 70 mbar

Capacity: up to 150 kg/h

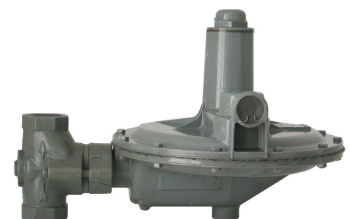
Order No.	Fisher	Connection	Weight
16 047	S302 G-FMJ	1 1/4" NPT	3,80
16 048	S302 G-SMJ	2" NPT	4,17

Regulator PN 2,5, low pressure, with integral relief valve, connection for pressure tap: 1" NPT, with test report 2.2 to EN 10 204

Admission Pressure: 0,9 - 1,7 bar

Back Pressure: 30 - 70 mbar

Order No.	Fisher	Connection	Capacity up to	Weight
16 051	S202 G-BNC	1 1/2" NPT	180 kg/h	10,9
16 052	S202 G-CNC	2" NPT	280 kg/h	10,9



We supply spare parts and repair faulty regulators in our own factory.

Regulator PN 25, with DIN-DVGW-approval and „E“ testing, with test report 2.2 to EN 10 204

Combined unit 1. and 2. stage, consisting of:
 medium pressure regulator (1. stage) with emergency shut-off valve (SAV)
 low pressure regulator (2. stage) with relief valve with connection for pressure tap (SBV)
 with emergency supply connection and check plug

Admission Pressure: up to 25 bar
Back Pressure: 50 mbar
Capacity: up to 12 kg/h

Order No.	Connection		Weight (kg)
	Inlet	Outlet	
16 060	POL	G ^{3/4} " female	2,9



Regulator low pressure (2. stage), with DIN-DVGW-approval, with test report 2.2 to EN 10 204

with emergency shut-off valve (SAV) and valve with connection for pressure tap (SBV)

Admission Pressure: 0,5 - 2,5 bar
Back Pressure: 50 mbar

Order No.	PN	Capacity up to	Connection		Weight (kg)
			Inlet	Outlet	
16 065 ¹⁾	2,5	12 kg/h	G ^{1/2} " female	G ^{1/2} " female	1,7
16 066 ¹⁾	2,5	24 kg/h	G ^{3/4} " female	G ^{3/4} " female	2,0
16 067	4	60 kg/h	G ^{3/4} " female	G ^{3/4} " female	2,4

¹⁾SAV lateral - short length, execution with check plug



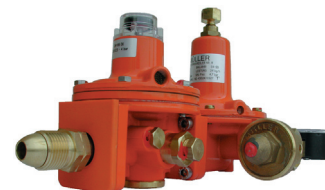
Order No.16 065 + 16 066

Regulator PN 25, middle pressure (1. stage), with DIN-DVGW-approval and „E“ testing, with test report 2.2 to EN 10 204

with emergency shut-off valve (SAV) and valve with connection for pressure tap (SBV)
 with device against freezing and emergency supply connection

Admission Pressure: up to 25 bar
Capacity: up to 24 kg/h

Order No.	Back Pressure	Connection		Weight (kg)
		Inlet	Outlet	
16 027	2,0 bar	POL	G ^{1/2} " female	3,1
16 028	0,7 bar	POL	G ^{1/2} " female	2,6



Regulator PN 25, middle pressure (1. stage), with DIN-DVGW-approval and „E“ testing, with test report 2.2 to EN 10 204

with emergency shut-off valve (SAV) and valve with connection for pressure tap (SBV)
 with emergency supply connection, with pressure gauge

Admission Pressure: up to 25 bar
Capacity: up to 60 kg/h

Order No.	Back Pressure	Connection		Weight (kg)
		Inlet	Outlet	
16 029	0,7 - 2,0 bar	POL	G ^{3/4} " female	3,3
16 069	0,7 - 2,0 bar	G ^{1/2} " fem.	G ^{3/4} " female	3,3

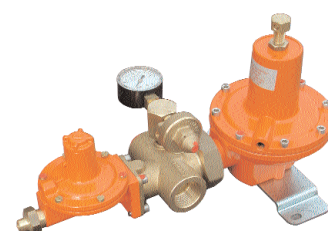


Order No.16 029

Regulator PN 25, middle pressure (1. stage), DIN-DVGW-approval, with test report 2.2 to EN 10 204

with emergency shut-off valve (SAV) and valve with connection for pressure tap (SBV)
 with pressure gauge

Order No.	Admission Pressure	Back Pressure	Capacity up to	Connection		Weight (kg)
				Inlet	Outlet	
16 081	1,5 - 16 bar	0,8 bar	100 kg/h	G1" fem.	G1" fem.	4,0
16 082	2,5 - 16 bar	1,5 bar	150 kg/h	G1" fem.	G1" fem.	4,0
16 083	3,8 - 16 bar	2,8 bar	150 kg/h	G1" fem.	G1" fem.	4,0



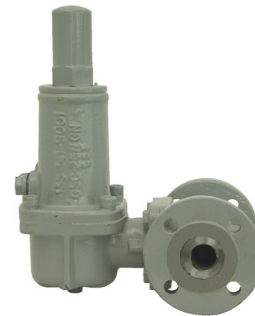
Regulator PN 40, with flange connection to DIN 2635, middle pressure (1. stage), adjustable, with DIN-DVGW-approval, simple mechanism, rugged construction, housing of cast steel GS-C 25, with inspection certificate 3.1.B to EN 10 204

Admission Pressure: up to 16 bar
Back Pressure: 0,7 - 7 bar
 Set Pressure: 1,5 bar (standard model)

Capacity Examples:

Adm.Pressure bar	Back Pressure bar	Capacity kg/h
2,0	1,0	ca. 120
4,0	1,0	ca. 260
8,0	1,0	ca. 500

Order No.	Connection	Weight
16 101	DN 25	11,0



Emergency Shut-off Valve (SAV) PN 25, adjustable, with DIN-DVGW-approval, with inspection certificate 3.1.B to EN 10 204

Emergency shut-off valves prevent the flow of gas once the upper preset start-to-discharge pressure has been reached. The valves are reopened manually.

Type: **A** = flange connection DN 50, PN 25,
 Overall length L = 188 mm, weight: 12,3 kg
 Height H = 260 mm (338 mm for spring change)

Type: **B** = threaded connection 1" NPT female, PN 25,
 Overall length L = 108 mm, weight: 5,3 kg
 Height H = 195 mm (308 mm for spring change)

Order No. Type A	Order No. Type B	Setting Range bar	Factory Setting bar
16 102	16 106	0,60 - 1,05	0,60
16 103	16 107	1,00 - 1,75	1,50
16 104	16 108	1,25 - 2,45	2,00
16 105	16 109	1,75 - 3,85	3,00



Type A



Type B

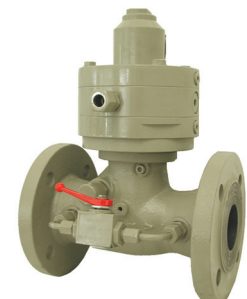
Emergency Shut-off Valve (SAV) adjustable, with DIN-DVGW-approval, also with diaphragm-fracture safety mechanism, housing of GGG 40, with inspection certificate 3.1.B to EN 10 204

Pressure Rating PN 16

Order No.	Connection	Setting Range bar	Factory Setting bar	Length L	Height H	Weight (kg)
16 111	DN 25	0,05 - 0,25	0,10	160	240	11,0
16 112	DN 50	0,05 - 0,25	0,10	230	245	16,0
16 113	DN 80	0,05 - 0,25	0,10	310	285	26,0
16 115	DN 25	0,20 - 0,80	0,50	160	240	11,0
16 116	DN 50	0,20 - 0,80	0,50	230	245	16,0
16 117	DN 80	0,20 - 0,80	0,50	310	285	26,0

Pressure Rating PN 40

Order No.	Connection	Setting Range bar	Factory Setting bar	Length L	Height H	Weight (kg)
16 119	DN 25	0,60 - 6,60	3,00	160	240	11,0
16 120	DN 50	0,60 - 6,60	3,00	230	245	16,0
16 121	DN 80	0,60 - 6,60	3,00	310	285	26,0



We supply spare parts and repair faulty regulators in our own factory.

Regulator PN 4, with flange connection to DIN 2633, low pressure (2. stage), with DIN-DVGW-approval, housing of GGG 40 and GD-AL Si 12, inlet pressure 0,35 - 4,0 bar, operation temperature -15 to +60°C, with inspection certificate 3.1.B to EN 10 204

with emergency shut-off valve and thermally activated shut off-valve

Capacity: Model DN 25 to 70 kg/h, Model DN 50 to 520 kg/h

Type: **A** = with emergency shut-off valve for upper limit switch

Type: **B** = with emergency shut-off valve for upper and lower limit switches and relief valve
connection for pressure tap, vent pressure permanently set 30 mbar above outlet pressure

Order No. Type A	Order No. Type B	Connection DN	Back Pressure mbar	Factory Setting mbar	Connection Vent Line	Length L	Weight (kg)
16 135	16 139	25	35 - 140	50	G 3/4"	160	6,0
16 136	16 140	25	70 - 280	150	G 3/4"	160	6,0
16 137	16 141	25	140 - 420	300	G 3/4"	160	6,0
16 156	16 161	50	30 - 70	50	G 1"	200	14,0
16 157	16 162	50	70 - 140	100	G 1"	200	14,0
16 159	16 164	50	140 - 300	200	G 1"	200	14,0
16 158	16 163	50	210 - 450	250	G 1"	200	14,0



Regulator with flange connection to DIN, (1. and 2. stage), with DIN-DVGW-approval, with control regulator, minimum pressure difference 0,5 bar, housing of GGG 40, with inspection certificate 3.1.B to EN 10 204

Pressure Rating PN 16, with flange connection to DIN 2633

Type: **A** = without emergency shut-off valve

Type: **B** = with emergency shut-off valve for upper switches and diaphragm-fracture safety mechanism

Order No. Type A	Order No. Type B	Connection DN	Back Pressure bar	Factory Setting bar	Length L	Weight (kg)	Examples of Capacity kg/h propane
16 171	16 176	25	0,01 - 0,10	0,05	180	37,0	appr. 360 kg/h at 1 bar inlet pressure
16 172	16 177	25	0,10 - 0,50	0,25	180	37,0	appr. 570 kg/h at 2 bar inlet pressure
16 173	16 178	25	0,50 - 3,00	1,50	180	37,0	appr. 950 kg/h at 4 bar inlet pressure
16 181	16 186	50	0,01 - 0,10	0,05	250	46,0	appr. 1.830 kg/h at 1 bar inlet pressure
16 182	16 187	50	0,10 - 0,50	0,25	250	46,0	appr. 2.770 kg/h at 2 bar inlet pressure
16 183	16 188	50	0,50 - 3,00	1,50	250	46,0	appr. 4.610 kg/h at 4 bar inlet pressure

Pressure Rating PN 40, with flange connection to DIN 2635

Type: **A** = without emergency shut-off valve

Type: **B** = with emergency shut-off valve for upper switches and diaphragm-fracture safety mechanism

Order No. Type C	Order No. Type D	Connection DN	Back Pressure bar	Factory Setting bar	Length L	Weight (kg)	Examples of Capacity kg/h propane
16 191	16 196	25	0,01 - 0,10	0,05	180	37,0	appr. 360 kg/h at 1 bar inlet pressure
16 192	16 197	25	0,10 - 0,50	0,25	180	37,0	appr. 570 kg/h at 2 bar inlet pressure
16 193	16 198	25	0,50 - 3,00	1,50	180	37,0	appr. 950 kg/h at 4 bar inlet pressure
16 201	16 206	50	0,01 - 0,10	0,05	250	46,0	appr. 1.830 kg/h at 1 bar inlet pressure
16 202	16 207	50	0,10 - 0,50	0,25	250	46,0	appr. 2.770 kg/h at 2 bar inlet pressure
16 203	16 208	50	0,50 - 3,00	1,50	250	46,0	appr. 4.610 kg/h at 4 bar inlet pressure

