



Flüssiggas-Anlagen

»Group 13«

Filler Valves

Vapour Equalizing Valves

Nozzles

Quick-Acting Shut-Off Valves

Couplings

Unloading Adapters

Safety Breakaway Couplings

Accessories



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»13« **Filler Valves - Vapour Equalizing Valves - Nozzles - Quick-Acting Shut-Off Valves - Couplings - Unloading Adapters - Safety Breakaway Couplings - Accessories**

Filler Valve PN 25, brass, with double back pressure check valve and brass cap, one-piece housing, with test report 2.2 to EN 10 204

Order No.	Type	Dimensions		Weight (kg)	Fig.
		Inlet	Outlet		
13 000 ¹⁾	70321	1 3/4" ACME	3/4" NPT	0,4	1
13 006 ²⁾	481	1 3/4" ACME	1 1/4" NPT	0,5	1
13 007 ²⁾	6580	1 3/4" ACME	1 1/4" NPT	0,5	1



Fig. 1

Filler Valve PN 25, brass, with double back pressure check valve and brass cap, two-piece housing, with test report 2.2 to EN 10 204

Order No.	RegO	Dimensions		Weight (kg)	Fig
		Inlet	Outlet		
13 001	7547 BC	1 3/4" ACME	3/4" NPT	0,4	1
13 002 ³⁾	7579 C	1 3/4" ACME	1 1/4" NPT	0,6	1
13 003 ²⁺³⁾	6579 C	1 3/4" ACME	1 1/4" NPT	0,6	1
13 004	6587 EC	2 1/4" ACME	2" NPT	2,3	2
13 005	3197 C	3 1/4" ACME	3" NPT	6,5	2



Fig. 2

Filler Valve PN 25, brass, with single back pressure check valve and brass cap, two-piece housing, with test report 2.2 to EN 10 204

Order No.	RegO	Dimensions		Weight (kg)	Fig
		Inlet	Outlet		
13 008	6584 C	2 1/4" ACME	2" NPT	1,4	3
13 009	3194 C	3 1/4" ACME	3" NPT	4,3	3



Fig. 3

¹⁾ with type approval
²⁾ with metal swing-away check
³⁾ export type with plastic cap

Vapour Equalizing Valve PN 25, brass, with excess flow valve, with brass cap, with test report 2.2 to EN 10 204

Order No.	Type	Dimensions		Weight (kg)
		Inlet	Outlet	
13 011	7573 AC	1 1/4" ACME	3/4" NPT	0,3
13 012	3183 AC	1 3/4" ACME	1 1/4" NPT	0,9
13 013	FAS	2 1/4" ACME	2" NPT	2,5



Vapour Equalizing Valve PN 25, brass, without excess flow valve, with brass cap, with test report 2.2 to EN 10 204

Order No.	Type	Dimensions		Weight (kg)
		Inlet	Outlet	
13 015	FAS	2 1/4" ACME	2" NPT	1,4



Quick-Acting Shut-Off Valve PN 25, housing of ductile iron ASTM A395 or equivalent, with test report 2.2 to EN 10 204

Order No.	RegO	Type	Dimensions		Weight
			Inlet	Outlet	
13 021*	A7708 L	angular	1" NPT	1" NPT	1,6
13 022*	A7707 L	straight	1" NPT	1" NPT	1,7



straight type



angular type

Safety Filler Coupling PN 25, brass, with back pressure check valve with test report 2.2 to EN 10 204

Order No.	RegO	Outlet	Length	Weight	Fig
13 026	3/4" NPT	1 3/4" ACME	59 mm	0,3	2



Fig. 1

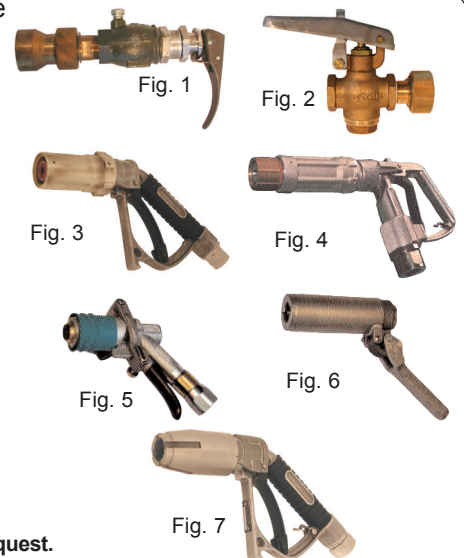


Fig. 2

»13« Filler Valves - Vapour Equalizing Valves - Nozzles - Quick-Acting Shut-Off Valves - Couplings - Unloading Adapters - Safety Breakaway Couplings - Accessories

Nozzle PN 25, with safety filler coupling and back pressure check valve with test report 2.2 to EN 10 204

Order No.	Type	Inlet	Outlet (Connection)	Weight (kg)	Fig.
13 018 ¹⁾	RegO/FAS	1" NPT female	1 3/4" ACME	2,9	1
13 031	RegO/FAS	1" NPT female	1 3/4" ACME	2,9	1
13 032	SEL/FAS	3/4" NPT female	1 3/4" ACME	1,6	2
13 528 ¹⁾	SEL/FAS	3/4" NPT female	1 3/4" ACME	1,6	2
13 037	LG/FAS	3/4" NPT female	1 3/4" ACME	2,0	3
13 038	LG/FAS	M 30 x 1,5 left male	1 3/4" ACME	2,0	3
13 023 ¹⁾	LG/FAS	3/4" NPT female	1 3/4" ACME	2,0	3
13 024 ¹⁾	LG/FAS	M 30 x 1,5 left male	1 3/4" ACME	2,0	3
13 090	LG/FAS	1 1/4" NPT female	1 3/4" ACME	2,7	4
13 086 ¹⁾	Neptuno T4 (I)	G1" female	clamped	1,4	like 5
13 039 ¹⁾	Neptuno T3 (I)	G1" female	clamped	1,4	5
13 516 ¹⁾	DV-V10 (NL)	3/4" NPT female	Bajonett	1,6	6
13 530 ¹⁾	LG/FAS (I)	3/4" NPT female	socketless fitting	2,0	like 3
13 200 ¹⁾	LG/FAS	EUROPE - Connection (NEW)		2,0	like 3
13 076	Extra charge for TÜV pressure and function test.				



¹⁾ with fixing pin

Other Quick-Acting Shut-Off Valves for other countries, adapters or connections on request.

Coupling PN 25, for filler valve

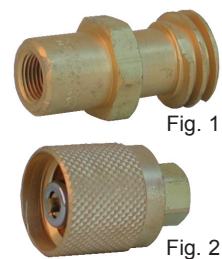
Type: **A** = standard type with test report 2.2 to EN 10 204
 Type: **B** = hose coupling with inspection certificate 3.1.B to EN 10 204

Order No.	Order No.	RegO	Dimensions		Material	Weight (kg)
Type A	Type B		A	B		
13 050*	13 280*	A3175	3/4" NPT	1 3/4" ACME	steel	0,35
13 051	-	3175 B	1/2" NPT	1 3/4" ACME	brass	0,40
13 052	-	3175	3/4" NPT	1 3/4" ACME	brass	0,35
13 053	-	3175 A	1" NPT	1 3/4" ACME	brass	0,32
13 054*	13 281*	A3175 A	1" NPT	1 3/4" ACME	steel	0,36
13 055	-	3185	1 1/4" NPT	2 1/4" ACME	brass	0,77
13 056*	13 282*	A3185	1 1/4" NPT	2 1/4" ACME	steel	0,73
13 057	-	3195	2" NPT	3 1/4" ACME	brass	1,95
13 058*	13 283*	A3195	2" NPT	3 1/4" ACME	steel	1,95
13 059*	13 284*	FAS	3" NPT	3 1/4" ACME	steel	2,90
13 060*	13 285*	FAS	3" NPT	4 1/4" ACME	steel	3,45



Coupling PN 25, with back pressure check valve, brass, with test report 2.2 to EN 10 204

Order No.	RegO	Dimensions		Fig.	Weight (kg)
		Inlet	Outlet		
13 061	7141 F	1 1/4" ACME female	1/4" NPT female	1	0,20
13 062	7141 M	3/8" NPT female	1 1/4" ACME male	2	0,20
13 068	7193L-10A	1 1/4" ACME female	1/4" NPT male	3	0,85



Coupling PN 25, for vapour equalizing valves, brass, with test report 2.2 to EN 10 204

Order No.	RegO	Dimensions		Weight (kg)
		A	B	
13 064	3171 A	1/2" NPT	1 1/4" ACME	0,17
13 065	3181	3/4" NPT	1 3/4" ACME	0,29
13 066	3181 A	1" NPT	1 3/4" ACME	0,34
13 067	3191	1 1/4" NPT	2 1/4" ACME	0,85



Coupling PN 25, both sides with ACME-male thread, with test report 2.2 to EN 10 204

Order No.	RegO	Dimensions A	Material	Weight (kg)
13 071	FAS	1 1/4" ACME	brass	0,14
13 072	5765 M	1 3/4" ACME	brass	0,36
13 073	5767 M	2 1/4" ACME	brass	0,59
13 074	5769 M	3 1/4" ACME	brass	1,35
13 075*	FAS	4 1/4" ACME	steel	3,86



Reducer Coupling PN 25, both sides with ACME-Connection, with test report 2.2 to EN 10 204

Order No.	RegO	Dimensions		Material	Weight (kg)
		A - male	B - female		
13 078	FAS	1 3/4" ACME	2 1/4" ACME	brass	0,73
13 079*	A5776	1 3/4" ACME	3 1/4" ACME	steel	2,27
13 080*	FAS	3 1/4" ACME	4 1/4" ACME	steel	3,45



Cap Plug PN 25, with chain, with test report 2.2 to EN 10 204

Order No.	Type	Dimensions	Material	Weight
13 091	FAS-1	1 1/4" ACME	brass	0,10
13 092	FAS-2	1 3/4" ACME	brass	0,15
13 093*	FAS-3	1 3/4" ACME	steel	0,36
13 094	3184-90	2 1/4" ACME	brass	0,86
13 095*	A3184-90	2 1/4" ACME	steel	0,82
13 096	3194-90	3 1/4" ACME	brass	1,92
13 097*	A3194-90	3 1/4" ACME	steel	1,95
13 098*	FAS-4	4 1/4" ACME	steel	2,95
13 099	3144-91	1 1/4" ACME	plastic	0,10
13 100	3174-93	1 3/4" ACME	plastic	0,10



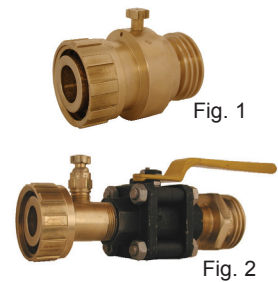
Filler Hose Adapter PN 25, for installation between inner tube valve and filler valve, with test report 2.2 to EN 10 204

Fitted with a vent valve to allow the release of pressure after having finished the filling process.

Type: **A** = standard type of brass
Type: **B** = ball valve type of steel, connection parts of brass

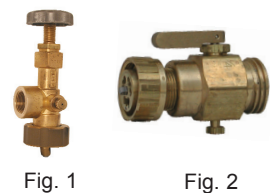
Order No.	Type	Inlet	Outlet	Length	Fig.	Weight (kg)
Type A		A	B	L		
13 111	7577V	1 3/4" ACME fem.	1 3/4" ACME male	85 mm	1	0,60
13 107 ¹⁾	FAS	1 3/4" ACME fem.	1 3/4" ACME male	97 mm	1	0,60
Type B		A	B	L		
13 110	FAS	1 3/4" ACME fem.	1 3/4" ACME male	170 mm	2	1,50

¹⁾ with extended connection piece for more simple installation.



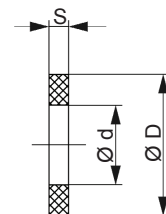
Unloading Adapter PN 25, for discharging LPG tanks, with test report 2.2 to EN 10 204

Order No.	Type	Inlet	Outlet	Type	Fig.	Weight
13 112	FAS	1 3/4" ACME fem.	1 3/4" ACME male	angular	1	1,00
13 113	3119A	1 3/4" ACME fem.	1 3/4" ACME male	straight	2	1,20
13 114	M450A	1 3/4" ACME fem.	1 3/4" ACME male	angular	1	1,05
13 115	FAS	1 3/4" ACME fem.	3/4" NPT female	angular	1	0,90



Seal PN 40, for filling appliances (propane, butane and DME), with test report 2.2 to EN 10 204

Order No.	Connection	Dimensions		
		D	d	s
13 121	1 1/4" ACME	23	13	3
13 122	1 3/4" ACME	34	23	3
13 123	2 1/4" ACME	46	36	3
13 124	3 1/4" ACME	72	54	3
13 125	4 1/4" ACME	94	73	3



Spanner Wrench for ACME-coupling

Order No.	RegO	Fisher	Size of Jaw	Weight
13 126	-	P120B	2 1/4", 3 1/4", 4 1/4"	0,52
13 127	3195-50	-	2 1/4", 3 1/4"	0,45



Type RegO 3195-50

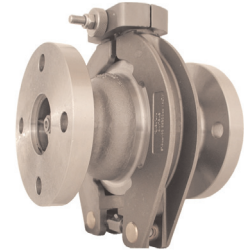
Other types of spanner wrenches for other sizes on request.

Safety Breakaway Coupling PN 40, for loading arms, flanges to DIN 2635, entirely of stainless steel, no welds, both valves sealed when separated, disconnecting over pull cable and shear pin mechanism, with inspection certificate 3.1.B to EN 10 204

Type: **A** = Viton O-rings for propane / butane (LPG)
 Type: **B** = O-rings (PTFE encapsulated) for ammonia (NH₃)

Order No.	Order No.	Type	Connection	Length	Material	Weight
Type A	Type B		DN			(kg)
13 171	13 173	ERC 2"	50	200	stainless steel	18,0
13 172	13 174	ERC 3"	80	360	stainless steel	30,0

13 130 Extra charge for TÜV pressure and function test.



Pull Cable Activating Mechanism with Fastening Elements

Order No. Type
 13 181 cable length in accordance to project specifications

Spare Parts Kit with Shear Pins and O-Rings

Order No.	Order No.	Type
Type A	Type B	
13 191	13 193	for DN 50
13 192	13 194	for DN 80

Models with seals suitable for other products are available on request.

Safety Breakaway Coupling for Hoses PN 25, threaded connection with cable release system, breakaway protection for high-pressure LPG hoses used in terminal-side pipework and for loading or off-loading rail and road tankers, both halves sealed when separated, with test report 2.2 to EN 10 204

Order No.	Type	Connection A+B	Length L	Material	Weight	Fig.
13 132	A2141A6L	3/4" NPT female	98	steel	0,6	1
13 133	A2141A8L	1" NPT female	115	steel	1,4	1
13 134	A2141A10	1 1/4" NPT female	142	alu	2,2	1
13 135	A2141A16	2" NPT female	363	alu	11,3	1
13 208 ¹⁾	FAS	3/4" NPT female	155	steel	1,2	like 1

13 129 Extra charge for TÜV pressure and function test.



Fig. 1

Safety breakaway coupling for hoses LPG 19 with TÜV-type approval

13 105	Walther	3/4" NPT fem.	163	stainless steel	1,3	like 1
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¹⁾ under duty pressure possibility to couple after separation of both halves

Safety Breakaway Coupling for Hoses PN 25, type approval¹⁾, flanges to DIN 2635, entirely of stainless steel, no pressure-containing welds, Viton O-Rings, breakaway protection for high-pressure LPG hoses used for loading or offloading rail and road tankers, both halves sealed when separated, disconnects using 3 breakspades, max. angle of traction 90°, with inspection certificate 3.1.B to EN 10 204

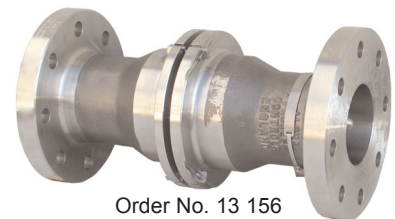
Order No.	Type	Connection DN	Length	Material	Standard breakload ¹⁾	Weight
13 150	APC 1 1/2"	25	163	stainless steel	*	4,0
13 151 ¹⁾	APC 1 1/2"	32	163	stainless steel	6.990 N	5,0
13 152	APC 1 1/2"	40	163	stainless steel	*	6,0
13 153 ¹⁾	APC 2 1/2"	50	200	stainless steel	14.980 N	12,0
13 154 ¹⁾	APC 2 1/2"	65	200	stainless steel	14.980 N	13,0
13 156 ¹⁾	APC 3"	80	360	stainless steel	30.620 N	24,0
13 157	APC 4"	100	340	stainless steel	*	38,0
13 158	APC 4"	125	340	stainless steel	*	45,0
13 159	APC 6"	150	480	stainless steel	*	100,0
13 160	APC 8"	200	640	stainless steel	*	195,0

13 130 Extra charge for TÜV pressure and function test.

13 140 steel safety cable with fastening elements



Order No. 13 153



Order No. 13 156

Breakspade Kit with Viton O-Rings

13 161	for DN 25, DN 32 and DN 40 (1 1/2")
13 162	for DN 50 and DN 65 (2 1/2")
13 164	for DN 80 (3")
13 163	for DN 80 (4"), DN 100 and DN 125 (4")
13 165	for DN 150 (6")
13 166	for DN 200 (8")
13 197	Torque wrench with 2 nuts, setting range 4 - 12 Nm

¹⁾ Type approval is only valid during standard pull-off strength (standard breakload) operation, other pull-off strengths are available on request.

* Application form for special installations or customer's specifications are available on request. Other equipment like fixing with microswitch, respectively mechanical limit switch for supervision of safety breakaway coupling for hoses are available on request. Couplings with ANSI flanges are available on request.

Shear Valve for LPG Dispenser PN 25, on both sides 3/4" NPT female, housing of brass, safety device to ensure leak protection within pipeline in case of unintentional knocking over of dispenser, valve closes automatically, both halves sealed when separated, disconnection by bushing with breaking point, break power 80 Nm, not reusable after disconnection, with test report 2.2 to EN 10 204

Order No.	Length	Material	Weight
13 700	125 mm	brass	0,67



Ball Valve Coupling PN 40, flange to DIN 2635, full bore, housing parts of steel, ball of hard-chrome plated steel, seals FPM, annular piston of stainless steel/PTFE, used for loading and offloading of road tankers, automatic coupling by swinging up, safe operation and minimum product loss by tight gearing of balls, disconnection of coupling only possible in closed condition. TÜV approval for LPG, with inspection certificate 3.1.B to EN 10 204

Order No.	Size	Connection	Length (mm)	Weight (kg)
13 139	DN 50 / 2"	male flange DN 50	107,5	7,8
13 149	DN 50 / 2"	female M 65 x 2 male	117,5	5,0
13 286	DN 80 / 3"	male flange DN 80	122,5	9,8
13 287	DN 80 / 3"	female M 100 x 2 male	122,5	6,0
13 288	Double-ended ring spanner for male and female part			0,4

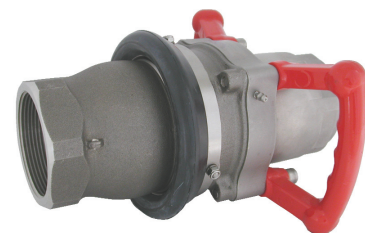


Further combinations on request.

Quick-Acting Dry-Break Coupling PN 25, housing of stainless steel 1.4408, used for loading and offloading of rail and road tankers, self-sealing, with NBR flat compression seal, simple and robust special locking, with cam lever, safe operation with minimum product loss, with inspection certificate 3.1.B to EN 10 204

Type: **A** = Connection male
Type: **B** = Connection female

Order No.	Order No.	Size
Type A	Type B	DN
13 821	13 823	50
13 824	-	80



in operation connected
(execution with NPT)

Order No.	Order No.	Size
Type A	Type B	NPT
13 800	13 801	1" NPT IG
13 802	13 803	2" NPT IG
13 804	13 805	3" NPT IG



male part

coupling separated
(execution with flanges)

female part

Dry-break coupling in connection with safety breakaway coupling, respectively possible and recommendable. Other dry-break couplings, e.g. with NPT thread or with ANSI flanges are available on request.