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Shut-off valves • Bypass valves • 3-way valves • Solenoid valves • Ball valves • Quick-acting valves

Globe valve

- NPT-thread
- soft seal



Order No.	Type	Size, DN, "	Length, mm	Weight, kg
19 001	N301-04	½	94	1,40
19 002	A7505 AP	¾	94	1,10
19 003	A7507 AP	1	110	1,60
19 004	A7509BP	1¼	125	3,10
19 005	A7511AP	2	150	3,70
19 006	A7513AP	2	150	7,70
19 007	A7517AP	3	230	18,00

Angle valve

- NPT-thread
- soft seal



Order No.	Type	Size, DN, "	Length, mm	Weight, kg
19 009	N401-04	½	45	1,25
19 010	A7506 AP	¾	45	1,20
19 011	A7508AP	1	51	1,20
19 012	A7510 BP	1¼	57	2,70
19 013	A7512AP	1½	62	3,60
19 014	A7514 AP	2	69	5,00
19 015	A7518AP	3	102	15,00

Shut-off valve

- NPT-thread
- collar seal

Type

- A – straight type
- B – angle type



Type A



Type B

Order No.	Type	Size, DN, "	Length, mm	Weight, kg	Pic.
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Type A

19 017	7704 P	½	95	1,0	1
19 018	7705 P	¾	95	1,0	1

Type B

19 020	7704 LP	½	43	0,9	2
19 021	7706 P	¾	43	0,9	2

Quick acting valve with lever

- NPT-thread



1



2

Order No.	Type	Size, DN, "	Length, mm	Weight, kg	Pic.
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19 026	7901 T	¼	63	0,6	1
19 027	7554 SAV	½	94	1,0	2
19 028	7554 SV	¾	94	1,0	2

Ball valve with spring release

- NPT-thread
- mechanical hand lever



Order No.	Type	Size, DN, "	Length, mm	Weight, kg
19 151	Argus	½	90	2,0

Shut-off valve/ regulating valve PN 20

- NPT-thread



1



2

Order No.	Type	Size, DN, "	Weight, kg	Pic.
19 033	1224 WA	¼	0,1	1
19 034	2553	¼	0,7	2
19 035	2553 A	¾	0,7	2

Angle valve

• connection ¾" NPT male

Other dip tubes are available on request

Order No.	Type	Outlet	Material	Pic.	Weight, kg
19 439	9101 C1	POL	Brass	1	0,4
19 440	7550 P	¾" NPT	Brass	1	0,6
19 441	FAS 484	¾" NPT, with brass plug	Brass	1	0,7
19 442	A7550 P	¾" NPT	Steel	1	0,6
19 443	7550 PX	¾" NPT, with excess flow valve	Brass	2	0,6
19 444	A7550 PX	¾" NPT, with excess flow valve	Steel	2	0,6
19 445	901 C5	POL, with excess flow valve	Brass	2	0,4
19 446	9101 DNP	POL, with dip tube 300 mm	Brass	–	0,5
19 447	FAS 483	POL, with dip tube 300 mm and pressure gauge	Brass	3	0,7
19 448	Brass plug for angle valve ¾" NPT, brass, with seal				

Shut-off valve

- straight type
- flanges acc. to DIN 2635
- length acc. to DIN 3202
- body of cast steel GS-C 25
- seat ring, disc and stem of stainless steel
- leakproof class 1 to DIN 3230 part 3

Type:

- A – gland seal of pure graphite
- B – bellows seal, maintenance free



Order No.		Size, DN	Length, mm	Weight, kg
Type A	Type B			
19 041	19 101	15	130	4,8
19 042	19 102	20	150	5,4
19 043	19 103	25	160	7,1
19 044	19 104	32	180	8,0
19 045	19 105	40	200	11,5
19 046	19 106	50	230	13,5
19 047	19 107	65	290	23,5
19 048	19 108	80	310	28,0
19 049	19 109	100	350	39,5

Ball valve straight type with hand lever

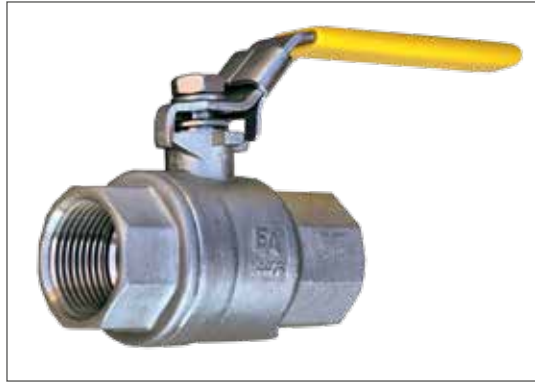
- execution „Fire-Safe“ acc. to BS 6755 part 2,
- compact FAS-KHV
- body and ball of stainless steel (CrNi AISI 304), seals – PTFE
- leakproof class 1 acc. to DIN 3230 part 3



Order No.	Size, DN	Weight, kg	Length, mm
93251	15	1,5	38
93252	20	2,0	40
93253	25	2,7	45
93254	32	5,2	58
93255	40	6,8	64
93256	50	11,1	82
93257	65	15,6	103
93258	80	22,3	122
93259	100	37,3	150

Ball valve type F120 PN 63

- full bore
- two-piece body – steel 1.4408
- seals of PTFE
- ball of stainless steel CF8M
- operating lever
- length acc. to DIN 3202 T4M3

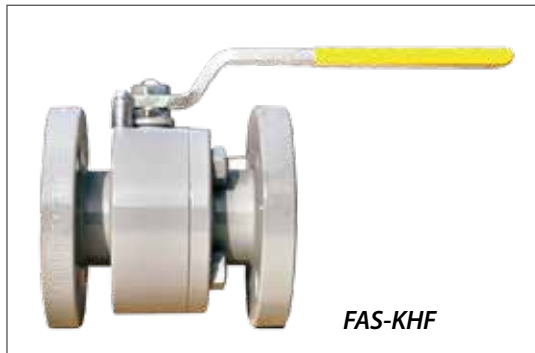


Order No.	Size, DN	Connection (NPT), "	Weight, kg
19 449	8	¼	0,2
19 450	10	3/8	0,3
19 451	15	½	0,4
19 452	20	¾	0,6
19 453	25	1	0,9
19 454	32	1¼	1,5
19 455	40	1½	2,2
19 456	50	2	2,9

Ball valve

full bore with operating lever

- execution "Fire-Safe" acc. to BS 6735 part 2
- body – ASTM A 105
- ball – of stainless steel (CrNiAlSI 304)
- seals – of PTFE
- leakproof class 1 acc. to DIN 3230

**Type:**

- A-type FAS-KHB, compact execution, block body
- B-type FAS-KHF, standard, two piece body

Order No.		Size, DN	Weight, kg	
Type A	Type B		Type A	Type B
92 151	92 271	15	1,3	3,3
92 152	92 272	20	1,9	4,5
92 153	92 273	25	2,6	6,0
92 154	92 274	32	5,3	8,0
92 155	92 275	40	6,9	13,0
92 156	92 276	50	11,0	17,0
92 157	92 277	65	15,6	23,0
92 158	92 278	80	22,4	28,0
92 159	92 279	100	37,4	43,0
92 171	92 280	125	60,0	69,0
92 172	92 281	150	–	80,0
92 173	92 282	200	–	120,0

Ball valve PN 40 type Mecafrance

- three-piece body of forged steel C 22.8
- seals of PTFE, selector shaft and ball of stainless steel
- operating lever

Type:

- A – full bore
- B – reduced bore, standard execution
- C – seal kit

Special executions: for road tankers, FIRE SAFE, and for temperature up to -20°C are available on request.



Order No.				Size, DN, "	Weight, kg	Order No.	Size, DN, "		Weight, kg
Welding ends		Pipe thread	NPT-thread			Type C	full bore	reduced bore	
Type A	Type B	Type B	Type B						
19 121	19 231	19 241	19 251	15 – ½	0,5	19 261	10 – ¼	15 – ½	0,1
19 122	19 232	19 242	19 252	20 – ¾	0,8	19 262	15 – ½	20 – ¾	0,1
19 123	19 233	19 243	19 253	25 – 1	1,3	19 263	20 – ¾	25 – 1	0,1
19 124	19 234	19 244	19 254	32 – 1¼	1,8	19 264	25 – 1	32 – 1¼	0,1
19 125	19 235	19 245	19 255	40 – 1½	2,8	19 265	32 – 1¼	40 – 1½	0,1
19 126	19 236	19 246	19 256	50 – 2½	3,8	19 266	40 – 1½	50 – 2	0,1
19 127	19 237	-	-	65 – 2	7,5	19 267	50 – 2	65 – 2½	0,1
19 128	19 238	-	-	80 – 3	12,0	19 268	65 – 2½	80 – 3	0,1
19 129	19 239	-	-	100 – 4	20,5	19 269	80 – 3	100 – 4	0,1

**Stainless steel ball valves
 PN 63**

- truck version
- from stainless steel
- welding ends
- housing and shaft from 1.4401
- working temperature – -30 up to +180°C

Order No.	Size, DN, "	Weight, kg	Length, mm
19 2311	DN 15, ½"	0,60	75
19 2321	DN 20, ¾"	0,90	80
19 2330	DN 25, 1"	1,40	90
19 2350	DN 40, 1½"	2,90	125
19 2360	DN 50, 2"	4,70	150
19 2370	DN 65, 2½"	10,30	185
19 2380	DN 80, 3"	15,30	205
19 2390	DN 100, 4"	24,60	240



Ball valve PN 40

with full bore with electrical actuator

- "Fire-Safe" version acc. to BS6755 part 2
- type with flanges – Type FAS-KHF
- type compact – Type FAS-KHB
- body – of steel ASTM A105
- ball – of stainless steel (CrNi AISI 304)
- seals – of PTFE
- leakproof class 1 acc. to DIN 3230
- electrical actuator – AUMA NORM SGEXC



Order No.	Size, DN	Weight, kg
93820	15	26,5
93821	20	27
93822	25	28
93823	32	31
93824	40	32

Order No.	Size, DN	Weight, kg
93825	50	36
93826	65	41
93827	80	48
93828	100	51
93829	125	94

Order No.	Size, DN	Weight, kg
93830	150	121
93831	200	240
93832*	250	500

*with FAS-KHF

Electrical actuator AUMA series SGEXC for ball valve

- bending range – 80...110°
- Ex-protection – II2G EEx de IICT4
- temperature range – -40...+40°C
- power supply – 400 V 50 Hz, protection class IP 67

Order No.	Ball valve size	Actuator type
93844	DN 15, DN 20, DN 25, DN 32, DN 40, DN 50, DN 65	SGExC 05.1
93845	DN 80, DN 100, DN 125	SGExC 07.1
93847	DN 150	SGExC 12.1



3-way ball valve type FAS-KHF W3, PN 40

- full bore
- body – of steel ASTM A105, ball – of stainless steel CrNi AISI 304, seals – of PTFE
- L-bore
- flanges acc. to DIN 2635
- three-piece body
- hand lever

Order No.	Size, DN	Weight, kg	Order No.	Size, DN	Weight, kg
92 292	DN15	4	92 297	DN65	34
92 291	DN20	6	92 298	DN80	50
92 293	DN25	7	92 299	DN100	71
92 294	DN32	12	92 300	DN125	119
92 295	DN40	14	92 301	DN150	185
92 296	DN50	20			



Quick-acting ball valve PN 40

with full bore

- "Fire Safe" version acc. to BS6755 part 2 and antistatic device
- flanges acc. to DIN 2635
- seals – of PTFE
- leakproof class 1 acc. to DIN 3230
- with pneumatic actuator in maintenance free compact execution, angle of rotation 90°, with automatic spring return, 5-8 bar, min. pilot pressure of 5 bar (at a max. differential pressure of 25 bar)

Type:

- A – type ARGUS, body of forged steel TSTE 355N, ball and shaft of stainless steel, shaft seal of Viton
- B – type ALFA, body of forged steel ASTM A 105 (C 21), ball and shaft of stainless steel, shaft seal of PTFE/Viton
- C – type Bont, body of forged steel ASTM A 105 (C 21), three-piece body, ball and shaft of stainless steel, shaft seal of PTFE/Viton

DIN-flange connection on both sides, length acc. to DIN 3202
F4/F5 short model

Order No.		Size, DN	Length, mm	Weight, kg	
Type A	Type B			Type A	Type B
19 700	19 730	15	115	8,0	8,5
19 701	19 731	20	120	9,0	9,5
19 702	19 732	25	125	9,5	10,5
19 703	19 733	32	130	14,2	15,3
19 704	19 734	40	140	15,1	18,8
19 705	19 735	50	150	21,4	26,4
19 706	19 736	65	170	33,5	37,7
19 707	19 737	80	180	47,0	53,0
19 708	19 738	100	190	69,3	80,0
19 709	19 739	125	325	80,0	95,0
19 880	19 890	150	350	137,0	122,0

Welded end connection on one side, DIN-flange on other side

Order No.		Size, DN	Length, mm	Weight, kg		
Type A	Type B			Type A	Type B	Type C
19 750	19 860	15	230	7,6	205	7,5
19 751	19 861	20	250	8,3	225	8,1
19 752	19 862	25	260	9,5	235	9,3
19 753	19 863	32	250	13,0	250	12,4
19 754	19 864	40	260	14,9	270	14,6
19 755	19 865	50	270	20,2	211	25,5
19 756	19 866	65	285	32,4	250	34,5
19 757	19 867	80	315	46,7	308	48,0
19 758	-	100	355	69,2	-	-
19 759	-	125	463	95,0	-	-

Accessories

Order No.	Type	Weight, kg
19 710	Limit switch in housing, Ex-proof, for open/closed position indication, with optical position indicator	1,8
19 711 19 763 ATEX	3/2-way solenoid valve, Ex-proof, Namur interface, for compressed air, max. 10 bar, thread connection G1/4", operating voltage 230 V, 50 Hz	1,5
19 712	3/2-way solenoid valve, Ex-proof, for compressed air, max. 10 bar, thread connection G1/4", operating voltage 24 V, coflow	1,5



Solenoid valve PN 40

- Ex-proof
- with automatic lifting, normal closed
- leakproof class 1 to DIN 3230
- operating pressure – 0...25 bar
- flanges acc. to DIN 2635

Type:

- A – body of cast steel
- B – body of stainless steel, non-ferrous free
- C – body of cast steel, non-ferrous free

Solenoid valves with optical position indicator are available on request.



Order No.						Size, DN	Length, mm	Pic.	Weight, kg
Type A		Type B		Type C					
230 B (AC)	24 B (DC)	230 B (AC)	24 B (DC)	230 B (AC)	24 B (DC)				
19 419	19 369	19 429	19 379	-	-	15	130	1	5,5
19 420	19 370	19 430	19 380	-	-	20	150	1	5,8
19 421	19 371	19 431	19 381	-	-	25	160	1	6,5
19 422	19 372	19 432	19 382	-	-	32	180	1	11,0
19 423	19 373	19 433	19 383	-	-	40	200	1	12,0
19 424	19 374	19 434	19 384	-	-	50	230	1	14,0
19 425	19 375	-	-	19 435	19 385	65	290	2	36,5
19 426	19 376	-	-	19 436	19 386	80	310	2	46,5
19 427	19 377	-	-	19 437	19 387	100	350	2	70,0

Accessories

19 388	Extra charge for 2 solenoid switches for contactless electronic indication of position ON/OFF for solenoid valves with flanged DN 15-50, Ex-proof to EEx d IIC T6
19 389	Extra charge for 2 solenoid switches for contactless electronic indication of position ON/OFF for solenoid valves with flanged DN 65-100, Ex-proof to EEx d IIC T6

Solenoid valve PN 40

- Ex-proof
- indirectly actuated, normal closed
- power supply 230 V, 50 Hz
- operating pressure – 0,5...40,0 bar
- body of brass



Order No.	Connection female, "	Length, mm	Weight, kg
19 401	G ½	67	0,8
19 402	G ¾	80	1,2
19 403	G 1	95	1,6
19 404	G 1¼	132	2,5
19 405	G 1½	132	3,5
19 406	G 2	160	4,5
19 408	Special voltage 24 V – DC		

Solenoid valve PN 25

- Ex-proof
- with automatic lifting, normal closed
- power supply 230 V, 50 Hz
- operating pressure – 0,5...25,0 bar
- body of brass



Order No.	Connection female, "	Length, mm	Weight, kg
19 411	G ½	67	1,8
19 412	G ¾	95	4,0
19 413	G 1	95	3,8
19 414	G 1¼	132	5,3
19 415	G 1½	132	5,5
19 416	G 2	160	6,6
19 408	Special voltage 24 V – DC		

By-pass valve PN 25

- Angle form
- With spring loading
- NPT female thread



Order No.	Type (Corken)	Connection NPT, "	Setting ranges, bar	Capacity max. l/min	Weight, kg	Pic.
19 330	B 166	¾	3,5...10,5	115	3,5	1
19 331	B 166	1	3,5...10,5	150	3,5	1
19 332	B 166	1	1,7...4,1	150	3,4	1
19 333	B 166	1	6,9...15,5	150	3,5	1
19 337	B 177	1½	5,0...11,0	380	3,0	
19 338	B 166	¾	1,7...4,1	115	3,4	1
19 339	B 166	¾	6,9...15,5	115	3,6	1

see next page

By-pass valve PN 25

Order No.	Type (Corken)	Connection NPT, "	Setting ranges, bar	Capacity max. l/min	Weight, kg	Pic.
19346	T 166	1½	6,9...15,5	380	3,5	1
19348	T 166	1¼	6,9...15,5	300	3,8	1
19349	T 166	1½	3,5...10,5	380	4,0	1
19350	B 177	2	3,5...8,6	1140	18,8	2

Order No.	Type (Corken)	Connection NPT, "	Setting ranges, bar	Capacity max. l/min	Weight, kg	Pic.
19354	T 166	1¼	3,5...10,5	300	3,8	1
19355	B 177	1½	4,1...6,9	570	6,0	2
19359	B 177	1¼	5,0...11,0	470	3,8	2

Safety by-pass valve PN 25

- housing gas tight, spring loaded
- flanges acc. to DIN 2635/EN 1092-1
- material – cast steel, internal parts – Niro

Execution:

A – with boot, independent of back pressure

B – with O-Ring sealing, dependent on back pressure

Order-No.		Size, DN	Length, mm	Height, mm	Weight, kg
Exec. A	Exec. B				
19882	19302	20	150	275	8,5
19883	19303	25	160	275	10,0
19884	19304	32	180	275	12,0
19885	19305	40	200	275	14,0
19886	19306	50	230	360	25,0
19887	19307	65	290	360	33,0
19888	19308	80	310	495	50,0
19319		Conversion to spring with other adjustment range acc. to table			

When ordering please specify setting range. Adjustment ranges using different springs in bar: 1,6 – 2,5 2,5 – 4,0 4,0 – 6,3 6,3 – 10,0 10,0 – 16,0 16,0 – 25,0



By-pass valve PN 25

- housing gas tight, spring loaded
- dependend on back pressure
- with NPT-thread
- housing of ASTM A 536 / ductile iron
- angle form

Order-No.	Blackmer type	Connection, NPT	Adjustment range, bar	Capacity, l/min	Weight, kg
19321	BV ¾	¾"	4,5-7,0	190	2,2
19322	BV 1	1"	4,5-7,0	190	2,3
19323	BV 1¼	1¼"	4,5-8,6	380	3,5
19324	BV 1¼	1¼"	7,0-10,5	380	3,5
19325	BV 1½	1½"	4,5-8,6	380	3,3
19326	BV 1½	1½"	7,0-10,5	380	3,3
19327	BV 2	2"	4,5-8,6	600	7,6
19334		Conversion to spring with other adjustment range acc. to table			



**Liquid withdrawal valve
PN 25**

with excess flow valve

Type:

- A – Standard model
- B – with built-in back pressure check valve



Order No.	Type	Inlet, "	Outlet, "	Filling connection	Weight, kg
19 341	A8017 DP	1¼ NPT male	1 NPT female	–	1,8
19 342	A8017 DH	1¼ NPT male	1 NPT female	with back pressure check valve	1,8
19 343	A8018 DP	1¼ NPT male	1 NPT female	1¾ ACME male	1,9
19 344	A8016 DP	1¼ NPT male	–	1¾ ACME male	1,4

Multivalve PN 25

for storage tanks

- body of brass



Order No.	Type (RegO)	Connection, "	Weight, kg	Components:
19 561	8475RV	2½ NPT-IG	5,7	Filler valve 1¾" ACME, vapor equalizing valve 1¼" ACME, vapour withdrawal valve POL-female, vent valve with dip tube, connection for pressure gauge, flange connection for liquid level gauge, pressure relief valve, connection for dip tube ¾" NPT
19 562	8593 AR 16.0	1½ NPT-AG	1,8	Filler valve 1¾" ACME, vapour equalizing valve 1¼" ACME, vapour withdrawal valve POL-female, vent valve with dip tube, connection for pressure gauge, connection for dip tube ¾" NPT


Duoport pressure relief valve manifold PN 25

- connection – 2" NPT male
- body – of ductile iron ASTM A395
- for 2 external relief valves 1¼" NPT male Type RegO 3135 of brass
- without plastic cap

Order No.	Type RegO	Connection, "	Relief valve (quantity)	Set pressure, bar	Weight, kg
19 571	A8540	2 NPT male	–	–	4,5
19 572	8542G	2 NPT male	2	2...27	6,8

Multiport pressure relief valve manifold PN 25

- ANSI/ASA flanges
- body of ductile iron ASTM A395
- for external relief valves 2½" NPT male type RegO A3149 of steel
- with plastic cap

Type:

- A – tank connection 3" ANSI/ASA-flange 300 lbs
- B – tank connection 4" ANSI/ASA-flange 300 lbs



Order No.	Type RegO	Relief valve (quantity)	Set pressure, bar	Weight, kg
Type A				
19 511	A8563	no safety relief valvee	–	32,0
19 569	8530	2	17,2	30,0
19 512	A8563	3	17,2	53,0
19 513	A8564	4	17,2	60,0
19 570	A8532	2	2...21	40,0
19 514	A8563	3	2...21	53,0

Order No.	Type RegO	Relief valve (quantity)	Set pressure, bar	Weight, kg
19 515	A8564	4	2...21	60,0
Type B				
19 516	A8573	no safety relief valvee	–	38,0
19 517	A8573	3	17,2	59,0
19 518	A8574	4	17,2	66,0
19 519	A8573	3	2...21	59,0
19 520	A8574	4	2...21	66,0