

Pneumatically actuated ball valves

Flanged ball valves, 2-piece, with pneumatic rotary actuators

PN 16/40

Ball valve

Materials: PN 16: Housing: GG25, ball: Cast steel chrome-plated, seal: PTFE/NBR

PN 40: Housing: Cast steel, ball: Stainless steel, seal: PTFE/FKM

Length acc. to DIN 3202-F4 (DIN EN 558-1, row 14) (from DN 200 acc. to DIN 3202-F5, DIN EN 558-1, row 15)

Temperature range: -20°C to max. +120°C

Operating range: Water, oil, compressed air, vacuum (max. -0.9 bar), fuels, solvents

Rotary actuator

Design: ATEX-compliant II 2GD c 85°C (Actuators with size 12 or greater: II 2GD c 110°C)

Materials: Housing: Aluminium anodised, gear rack and piston: Aluminium, cover: Acetal resin, seals: NBR

Temperature range: -20°C to max. +80°C

Control pressure: 6 - 10 bar (lower pressures upon request)

Optional: FKM seals -V



Warning: In case of high media temperatures, the actuator must be cooled!

Type	Type	Type	DN	Installation length ball valve	Actuator size*	
double acting	spring closing	spring opening			Double act.	Single act.
KHFL 25/** P	KHFL 25/** P FS	KHFL 25/** P FO	25	125	6-VK11	6-VK11
KHFL 32/** P	KHFL 32/** P FS	KHFL 32/** P FO	32	130	6-VK11	6-VK11
KHFL 40/** P	KHFL 40/** P FS	KHFL 40/** P FO	40	140	6	6
KHFL 50/** P	KHFL 50/** P FS	KHFL 50/** P FO	50	150	6	12
KHFL 65/** P	KHFL 65/** P FS	KHFL 65/** P FO	65	170	12-F07	12-F07
KHFL 80/** P	KHFL 80/** P FS	KHFL 80/** P FO	80	180	50-VK22	50-VK22
KHFL 100/** P	KHFL 100/** P FS	KHFL 100/** P FO	100	190	50-VK22	50-VK22
KHFL 125/16 P	KHFL 125/16 P FS	KHFL 125/16 P FO	125	200	90	90
KHFL 150/16 P	KHFL 150/16 P FS	KHFL 150/16 P FO	150	210	90	130
KHFL 200/16 P	KHFL 200/16 P FS	KHFL 200/16 P FO	200	400	130-F12	180-F14

* for dimensions and replacement actuators see page 310

Order example: KHFL 25/** P **

Standard type

Designation for the actuator options:
FKM seal -V

Nominal pressure

PN 16 -16

PN 40 -40

Stainless steel flanged ball valves, 2-piece, with pneumatic rotary actuators PN 16/40

Ball valve

Materials: Housing: AISI 316, ball: AISI 316, seal: PTFE/FKM

Temperature range: -20°C to max. +180°C

Operating range: Water, oil, compressed air, vacuum (max. -0.9 bar), fuels, solvents, aggressive media

Length according to DIN 3202-F4 (DIN EN 558-1, row 14) (from DN 125 according to DIN 3202-F5, DIN EN 558-1, row 15), Fire Safe Design

Optional: Certificate 3.1

Rotary actuator

Design: ATEX-compliant II 2GD c 85°C (Actuators with size 12 or greater: II 2GD c 110°C)

Materials: Housing: Aluminium anodised, gear rack and piston: Aluminium, cover: Acetal resin, seals: NBR

Temperature range: -20°C to max. +80°C

Control pressure: 6 - 10 bar (lower pressures upon request)

Optional: FKM seals -V



Warning: In case of high media temperatures, the actuator must be cooled!

Type	Type	Type	DN	Install. length ball valve	Actuator size*	
double acting	spring closing	spring opening			Double act.	Single act.
KHFL 15/** P ES	KHFL 15/** P FS ES	KHFL 15/** P FO ES	15	115	2-F03	6-F04-VK9
KHFL 20/** P ES	KHFL 20/** P FS ES	KHFL 20/** P FO ES	20	120	2-F03	6-F04-VK9
KHFL 25/** P ES	KHFL 25/** P FS ES	KHFL 25/** P FO ES	25	125	6-F04	6-F04
KHFL 32/** P ES	KHFL 32/** P FS ES	KHFL 32/** P FO ES	32	130	6-F04	12-VK11
KHFL 40/** P ES	KHFL 40/** P FS ES	KHFL 40/** P FO ES	40	140	12	12
KHFL 50/** P ES	KHFL 50/** P FS ES	KHFL 50/** P FO ES	50	150	12	12
KHFL 65/** P ES	KHFL 65/** P FS ES	KHFL 65/** P FO ES	65	170	12-F07	25-F07
KHFL 80/** P ES	KHFL 80/** P FS ES	KHFL 80/** P FO ES	80	180	25-F07	50
KHFL 100/** P ES	KHFL 100/** P FS ES	KHFL 100/** P FO ES	100	190	50-F10	50-F10
KHFL 125/** P ES	KHFL 125/** P FS ES	KHFL 125/** P FO ES	125	325	90	90
KHFL 150/** P ES	KHFL 150/** P FS ES	KHFL 150/** P FO ES	150	350	90	130
KHFL 200/** P ES	KHFL 200/** P FS ES	KHFL 200/** P FO ES	200	400	180-F14	205-F14
KHFL 250/16 P ES	KHFL 250/16 P FS ES	KHFL 250/16 P FO ES	250	450	205-F14	205-F14
KHFL 300/16 P ES	KHFL 300/16 P FS ES	KHFL 300/16 P FO ES	300	500	380-F16	630-F14

* for dimensions and replacement actuators see page 310

Order example: KHFL 25/** P ES **

Standard type

Designation for the actuator options:
FKM seal -V

Nominal pressure

PN 16 -16

PN 40 (up to DN 200) -40



TIP Connection diagram acc. to NAMUR with female thread!



for Namur connection and female thread



For more flange dimensions see page 262.



TIP Connection diagram acc. to NAMUR with female thread!



for Namur connection and female thread



For more flange dimensions see page 262.

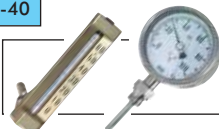


NAMUR valves and NAMUR throttles on page 416

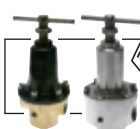


HYDAC

Pipe clamps from page 244



Thermometer from p. 396



Pressure regulators made of stainless steel and brass from p. 355



Clamp brackets and steel cable clamps on pages 257-259

All data are considered to be unbinding reference values. We accept no liability for data selection that is not confirmed in writing. Pressure data refer, if not otherwise indicated, to liquids of Group II at +20°C.