3-way ball valves with pneumatic rotary actuators — PN 40

TIP Connection diagram acc. to NAMUR with female thread!

Ball valve
Materials: Housing: Brass nickel-plated, ball: Brass hard chrome-plated, seal: PTFE/NBR
Temperature range: -10°C to max. +100°C
Properties: Pressure inlet is possible from all the three sides.
Operating range: Water, oil, compressed air, fuels, heating oil, solvents, weak acids and alkalis
Rotary actuator
Design: ATEX-compliant ⟨Ex⟩ II 2GD c 85°C (Actuators with size 12 or greater: ⟨Ex⟩ II 2GD c 110°C)
Materials: Housing: Aluminium anodised, gear rack and piston: Aluminium, cover: Acetal resin, seal: NBR
Temperature range: -20°C to max. +80°C
Control pressure: 6 - 10 bar (lower pressures upon request)
☞ **Optional:** FKM seal **-V**, direction of rotation changed **-FO**

for Namur connection and female thread

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

Type double acting	Type single acting	Thread ball valve	DN	Installation length ball valve	Actuator size* Double act.	Single act.
KH 3/14 ** P	KH 3/14 ** PE	G 1/4"	10	76	1	2-F03
KH 3/38 ** P	KH 3/38 ** PE	G 3/8"	10	78	1	2-F03
KH 3/12 ** P	KH 3/12 ** PE	G 1/2"	10	82	1	2-F03
KH 3/34 ** P	KH 3/34 ** PE	G 3/4"	15	90	2-F03	2-F03
KH 3/10 ** P	KH 3/10 ** PE	G 1"	20	106	6-VK11	6-VK11
KH 3/114 ** P	KH 3/114 ** PE	G 1 1/4"	25	120	6-VK11	6-VK11
KH 3/112 ** P	KH 3/112 ** PE	G 1 1/2"	32	142	6	12
KH 3/20 ** P	KH 3/20 ** PE	G 2"	40	165	12	12

* for dimensions and replacement actuators see page 310, ** please indicate switching position. See table below (standard position L or T1)

☞ **Order example:** KH 3/38 ** P **
Standard type
Switching position (see table below)

Designation for the actuator options:
FKM seal . . . . . **-V**
Direction of rotation changed . . . . . **-FO**

Stainless steel 3-way ball valves with pneumatic rotary actuators — PN 63

TIP Connection diagram acc. to NAMUR with female thread!

TA LUFT

Ball valve
Materials: Housing: AISI 316, ball: AISI 316, seal: PTFE (15% GF)/FKM
Temperature range: -20°C to max. +180°C
Properties: Pressure inlet is possible from all the three sides
Operating ranges: Water, oil, compressed air, vacuum (max. -0.9 bar), fuels, solvents, aggressive media
☞ **Optional:** Certificate 3.1
Rotary actuator
Design: ATEX-compliant ⟨Ex⟩ II 2GD c 85°C (Actuators with size 12 or greater: ⟨Ex⟩ 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**, direction of rotation changed **-FO**

for Namur connection and female thread

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

Type double acting	Type single acting	Thread ball valve	DN	Installation length ball valve	Actuator size* Double act.	Single act.
KH 3/14 ** P ES	KH 3/14 ** PE ES	G 1/4"	11	79	2-F03	2-F03
KH 3/38 ** P ES	KH 3/38 ** PE ES	G 3/8"	12	79	2-F03	2-F03
KH 3/12 ** P ES	KH 3/12 ** PE ES	G 1/2"	12	79	2-F03	2-F03
KH 3/34 ** P ES	KH 3/34 ** PE ES	G 3/4"	15	88	2-F03	6-F04-VK9
KH 3/10 ** P ES	KH 3/10 ** PE ES	G 1"	20	108	6-VK11	6-VK11
KH 3/114 ** P ES	KH 3/114 ** PE ES	G 1 1/4"	25	124	6-VK11	6-VK11
KH 3/112 ** P ES	KH 3/112 ** PE ES	G 1 1/2"	32	135	6	12
KH 3/20 ** P ES	KH 3/20 ** PE ES	G 2"	40	164	12	25

* for dimensions and replacement actuators see page 310, ** please indicate switching position. See table below (standard position L or T1)

☞ **Order example:** KH 3/38 ** P ES **
Standard type
Switching position (see table below)

Designation for the actuator options:
FKM seal . . . . . **-V**
Direction of rotation changed . . . . . **-FO**

	Standard	Option -FO	L borehole	T borehole			
Position	activated	non activated					
	non activated	activated					
Switching position			L	T1	T2	T3	T4

Repair sets & ball valves with assembly flange from page 309

NAMUR valves and NAMUR throttles on page 416