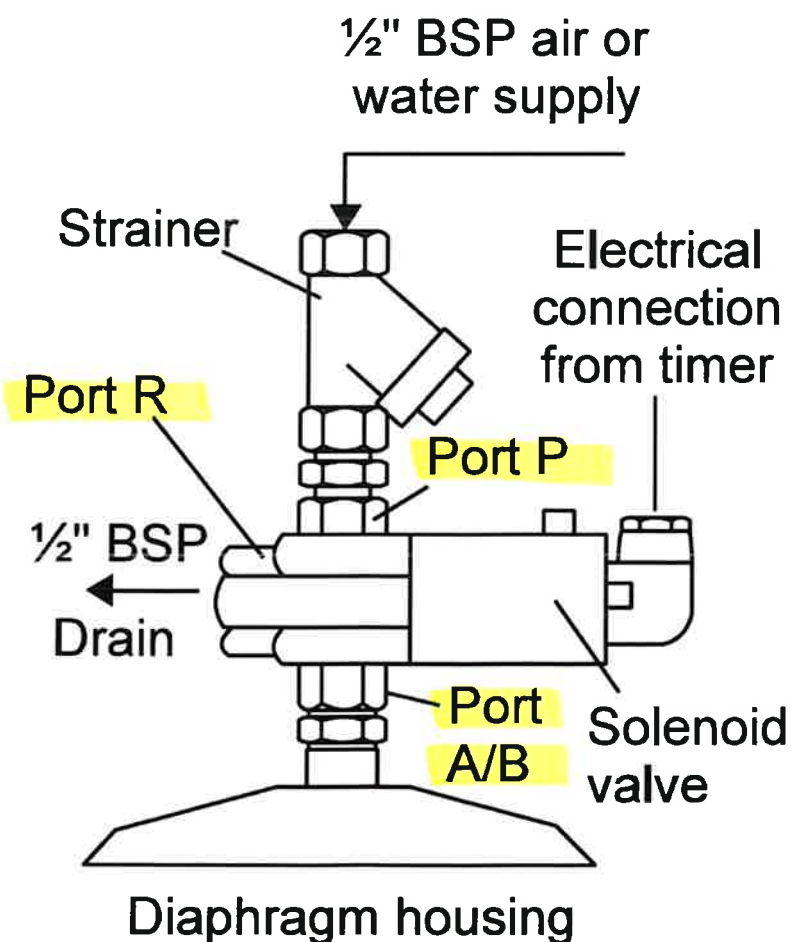


GESTRA Steam Solutions

FCD GSED 6.1.004 ISSUED 05/2012

A1130 - MPA46 & 47 Actuation Kit

Boiler pressure (barg)	Min. Air/Water Pressure (barg)
32	4
35	4.4
40	4.9
44	5.3



NOT TO BE FITTED VERTICALLY
DRAWING TO BE CHANGED



Media: air – water – oil – vacuum – fluids
 Pressure range: 0 to 40 Bar max
 Media temperature: -20°C to +100°C
 Ambient temperature: -30°C to +50°C
 Media viscosity: 500 centistokes max
 Mounting: any position
 Opening Closing time: 25 – 130mSec



3/2 Brass & Stainless

1/4 – 2" COAXIAL

N/CLOSED & N/OPEN

3 WAY DIRECT ACTING

0 - 40 Bar

TYPE 370



PRESSURE

Port BSP	Ø Orifice (mm)	Flow Kv M³/Hr	Pressure Rating (Bar)			Body Material	Part Number
			Min	Max			
				P⇒A	P⇒R		
1/4, 3/8, 1/2, (3/4*)	10	2.0	0	40	16	Brass	370A10MOG + port + voltage
3/8, 1/2, 3/4, (1*)	15	5.6	0	40	16	Brass	370A15MOG + port + voltage
1/2, 3/4, 1, (1 1/4*)	20	8.0	0	40	16	Brass	370A20MOG + port + voltage
3/4, 1, 1 1/4, (1 1/2*)	25	11.5	0	40	16	Brass	370A25MOG + port + voltage
1, 1 1/4, 1 1/2	32	17.9	0	40	16	Brass	370A32MOG + port + voltage
1 1/2	40	41.5	0	16	16	Brass	370A40MOG112 + voltage
2	50	43.0	0	16	16	Brass	370A50MOG2 + voltage
1/4, 3/8, 1/2	10	2.0	0	40	16	AISI303	370A10V2G + port + voltage
3/8, 1/2, 3/4	15	5.6	0	40	16	AISI303	370A15V2G + port + voltage
1/2, 3/4, 1	20	8.0	0	40	16	AISI303	370A20V2G + port + voltage
3/4, 1, 1 1/4	25	11.5	0	40	16	AISI303	370A25V2G + port + voltage
1, 1 1/4, 1 1/2	32	17.9	0	40	16	AISI303	370A32V2G + port + voltage
1 1/2	40	41.5	0	16	16	AISI303	370A40V2G112 + voltage
2	50	43.0	0	16	16	AISI303	370A50V2G2 + voltage
1/4, 3/8, 1/2	10	2.0	0	40	16	AISI316	370A10V4G + port + voltage
3/8, 1/2, 3/4	15	5.6	0	40	16	AISI316	370A15V4G + port + voltage
1/2, 3/4, 1	20	8.0	0	40	16	AISI316	370A20V4G + port + voltage
3/4, 1, 1 1/4	25	11.5	0	40	16	AISI316	370A25V4G + port + voltage
1, 1 1/4, 1 1/2	32	17.9	0	40	16	AISI316	370A32V4G + port + voltage
1 1/2	40	41.5	0	16	16	AISI316	370A40V4G112 + voltage
2	50	43.0	0	16	16	AISI316	370A50V4G2 + voltage

OPTIONS

Normally Open version (370B):
 Mounting brackets (x2):
 Inductive Position Switch Brass or stainless E1 (1 position Open or Closed) or E2 (2 positions Open and Closed)
 Vacuum – Nickel Plated Brass, Oil Free, Flanged, NBR EPDM or PTFE seals, NPT thread, Manual Override

<= See
 <= See
 TBA
 TBA

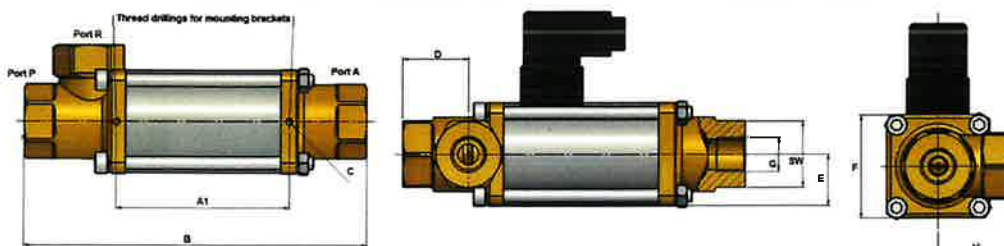
ELECTRICAL DATA

Voltage (-10% + 10%) Continuous duty 100% Standard voltage 24vDC or 230vAC	Power Consumption (Watts)							Insulation class	Enclosure	Electrical connections
	Ø 10	Ø 15	Ø 20	Ø 25	Ø 32	Ø 40	Ø 50			
~ 24 - 48 - 110 - 230 (40 – 60Hz Connector with rectifier)	35	40	45	60	73	73	73	F 155°C	IP 65 with connector	3 spades DIN 43650 DIN 40050 VDE 0110
= 12 - 24 - 48 - 110 - 230 (DC)	41	45	53	68	76	90	90			

CONSTRUCTION

Body: Brass MS058 (MO version): Option: AISI303 (V2) 1.4305 or AISI316 (V4) 1.4571
 Tube and internal parts: Stainless steel
 Seals: Static FKM, Dynamic PTFE, Seat FKM

OVERALL DIMENSIONS



DN	G	SW	A1 (mm)	A2 (mm)	B (mm)	C	D (mm)	E (mm)	F (mm)	H (mm)	Kg
10	1/4 3/8 1/2 3/4	32	84	-	166.5	M4	32	25	50	37	1.9
15	3/8 1/2 3/4 1	41	100	-	200	M5	38.5	35	70	60	4
20	1/2 3/4 1 1 1/4	46	108	-	228	M5	45.5	40	80	72	6
25	3/4 1 1 1/4 1 1/2	55	121	-	252	M5	48	45	90	80	7.5
32	1 1 1/4 1 1/2	60	122	50	269	M6	49.5	57.5	115	80	13.4
40	1 1/2	75	131	60	304	M6	56.5	65	130	84	18.7
50	2	75	131	60	304	M6	56.5	65	130	84	18.5

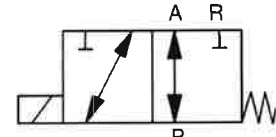
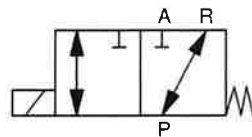
3/2-Wege Coaxialventil 3/2-way coaxial valve

Baureihe 370 / 371
Type 370 / 371

direktgesteuert
direct acting

Schaltfunktion A: NC (stromlos geschlossen)
function A: NC (normally closed)

Schaltfunktion B: NO (stromlos offen)
function B: NO (normally open)



Nennweite	DN 10 – 50	diameter	DN 10 - 50
Druckbereich	0 – max. 64bar gegendruckdicht bis max. 16bar	pressure range	0 - max. 64bar backpressure leakproof up to max. 16bar
Gehäusewerkstoff	Muffenausführung: Messing, 1.4305, 1.4571	body material	threaded version: brass, AISI 303, AISI 316
Dichtwerkstoff	statisch: FKM dynamisch: PTFE Sitzdichtung: FKM	seal material	static: FKM dynamic: PTFE seat seal: FKM
Temperatur	Medium: -10 bis +100°C Umgebung: -10 bis +50°C	temperature	media: -10 up to +100°C ambient: -10 up to +50°C
Anschlüsse	G1/4 – G1 1/2	connection	G1/4 - G1 1/2
Durchflussrichtung	P → A max. 64bar A → P max. 16bar P → R max. 64bar R → P max. 16bar	flow direction	P → A max. 64bar A → P max. 16bar P → R max. 64bar R → P max. 16bar
Elektr. Anschluss	Gleichstrommagnet mit Gerätesteckdose nach DIN EN 175301-803 Bauform A, bei Wechselstrombetrieb mit integriertem Gleichrichter	electr. connection	d.c. coil with cable plug acc. DIN EN 175301-803 form A a.c. operation, d.c. coil with rectifier integrated
Anschlussspannung	230V 50Hz, 24V DC, Sonderspannungen	nominal voltage	230V 50Hz, 24V DC, special voltages
Spannungstoleranz	+ / - 10% nach VDE 0580	voltage tolerance	+ / - 10% acc. VDE 0580
Einschaltdauer	100% ED	duty factor	100% ED
Schutzart	IP 65 mit montierter Gerätesteckdose	protection class	IP 65 with plug mounted
Einbaulage	beliebig	mounting	in any position

We reserve the right to make modifications without notice

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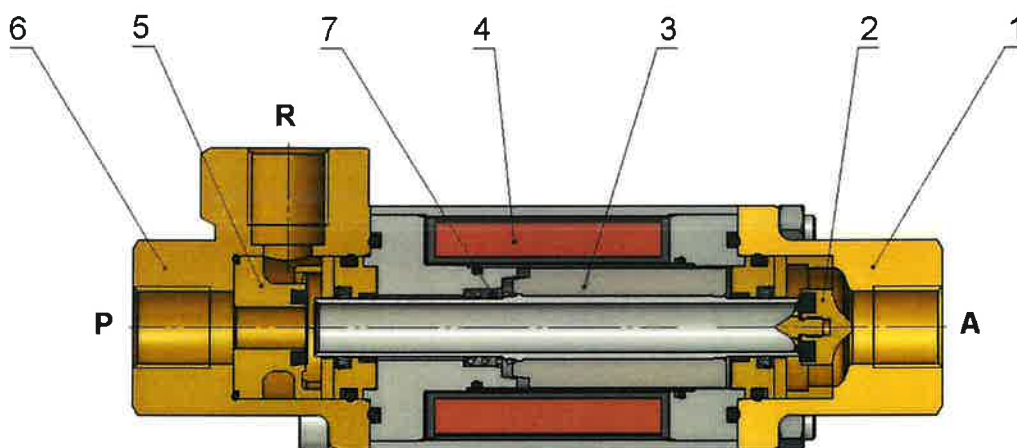
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3/2-Wege Coaxialventil
3/2-way coaxial valve

Baureihe 370 / 371
Type 370 / 371

Baureihe type	DN [mm]	Druck pressure range [bar]	Anschluss connection	Kv-Wert flow rate [m³/h]	Leistungsaufnahme power consumption [W]		Gewicht - Messing weight - brass [kg]
					24V DC	250V 50Hz	
370	10	0 – 40	G1/4, G3/8, G1/2	2,5	35	41	1,9
370	15	0 – 40	G3/8, G1/2, G3/4	4,5	40	45	4,0
370	20	0 – 40	G1/2, G3/4, G1	6,8	45	53	6,0
370	25	0 – 40	G3/4, G1, G1 1/4	11,5	60	68	7,5
370	32	0 – 40	G1, G1 1/4, G1 1/2	17,9	73	76	13,4
370	40	0 – 16	G1 1/2	34,0	73	90	18,7
370	50	0 – 16	G2	42,0	73	90	18,5
371	10	0 – 64	G1/4, G3/8, G1/2	2,5	44	53	1,9
371	15	0 – 64	G3/8, G1/2, G3/4	4,5	50	55	4,0
371	20	0 – 64	G1/2, G3/4, G1	6,8	53	59	6,0
371	25	0 – 64	G3/4, G1, G1 1/4	11,5	77	85	7,5
371	32	0 – 64	G1, G1 1/4, G1 1/2	17,9	73	76	13,4

Schnittzeichnung
sectional drawing



Pos. pos.	Menge / quantity	Benennung	description
1	1	2/2-Wege Anschlussstück	2/2-way adapter fitting
2	1	2/2-Wege Ventilsitz	2/2-way valve seat
3	1	Anker	plunger
4	1	Magnet	solenoid
5	1	3/2-Wege Ventilsitz	3/2-way valve seat
6	1	3/2-Wege Anschlussstück	3/2-way adapter fitting
7	1	Feder	spring

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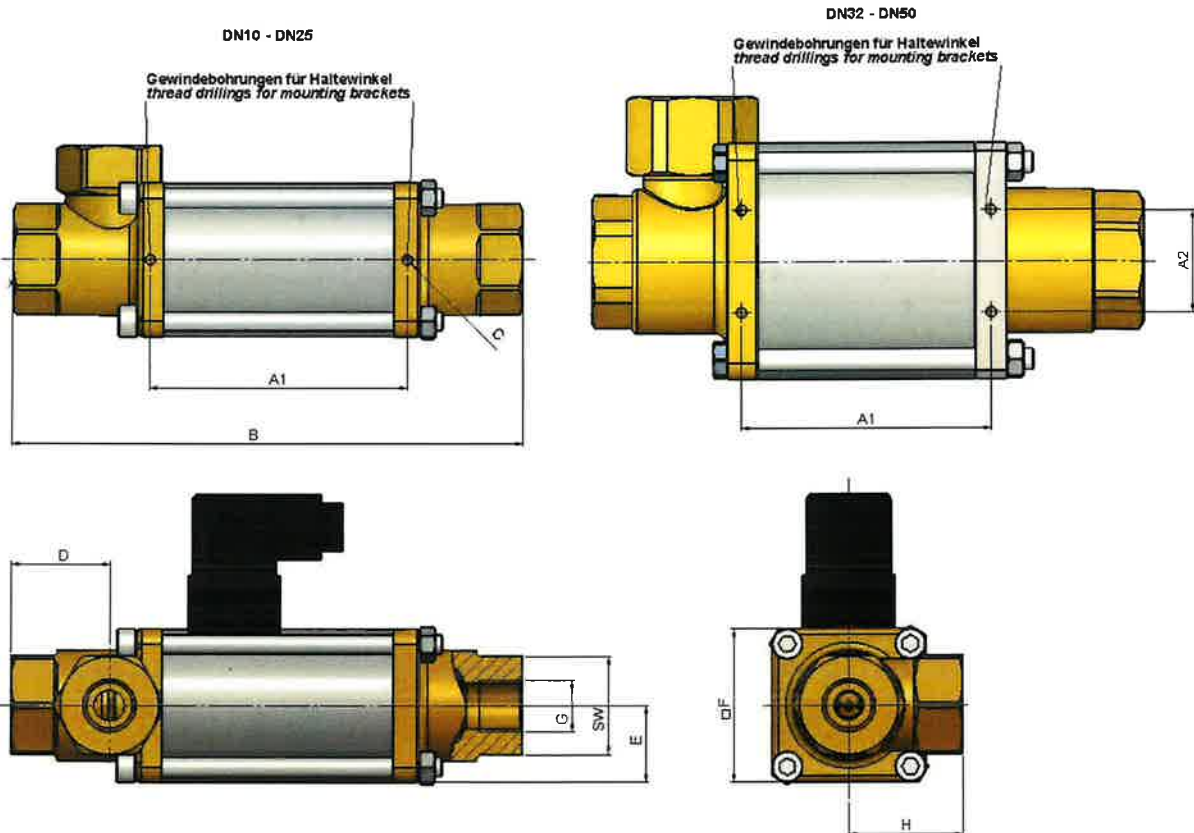
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3/2-Wege Coaxialventil 3/2-way coaxial valve

Baureihe 370 / 371
Type 370 / 371

Maßzeichnung
dimension drawing



DN	G	SW	A1 [mm]	A2 [mm]	B [mm]	C	D [mm]	E [mm]	F [mm]	H [mm]
10	1/4, 3/8, 1/2	32	84	-	166,5	M4	32	25	50	37
15	3/8, 1/2, 3/4	41	100	-	200	M5	38,5	35	70	60
20	1/2, 3/4, 1	46	108	-	228	M5	45,5	40	80	72
25	3/4, 1, 1 1/4	55	121	-	252	M5	48	45	90	80
32	1, 1 1/4, 1 1/2	60	122	50	269	M6	49,5	57,5	115	80
40	1 1/2	75	131	60	304	M6	56,5	65	130	84
50	2	75	131	60	304	M6	56,5	65	130	84

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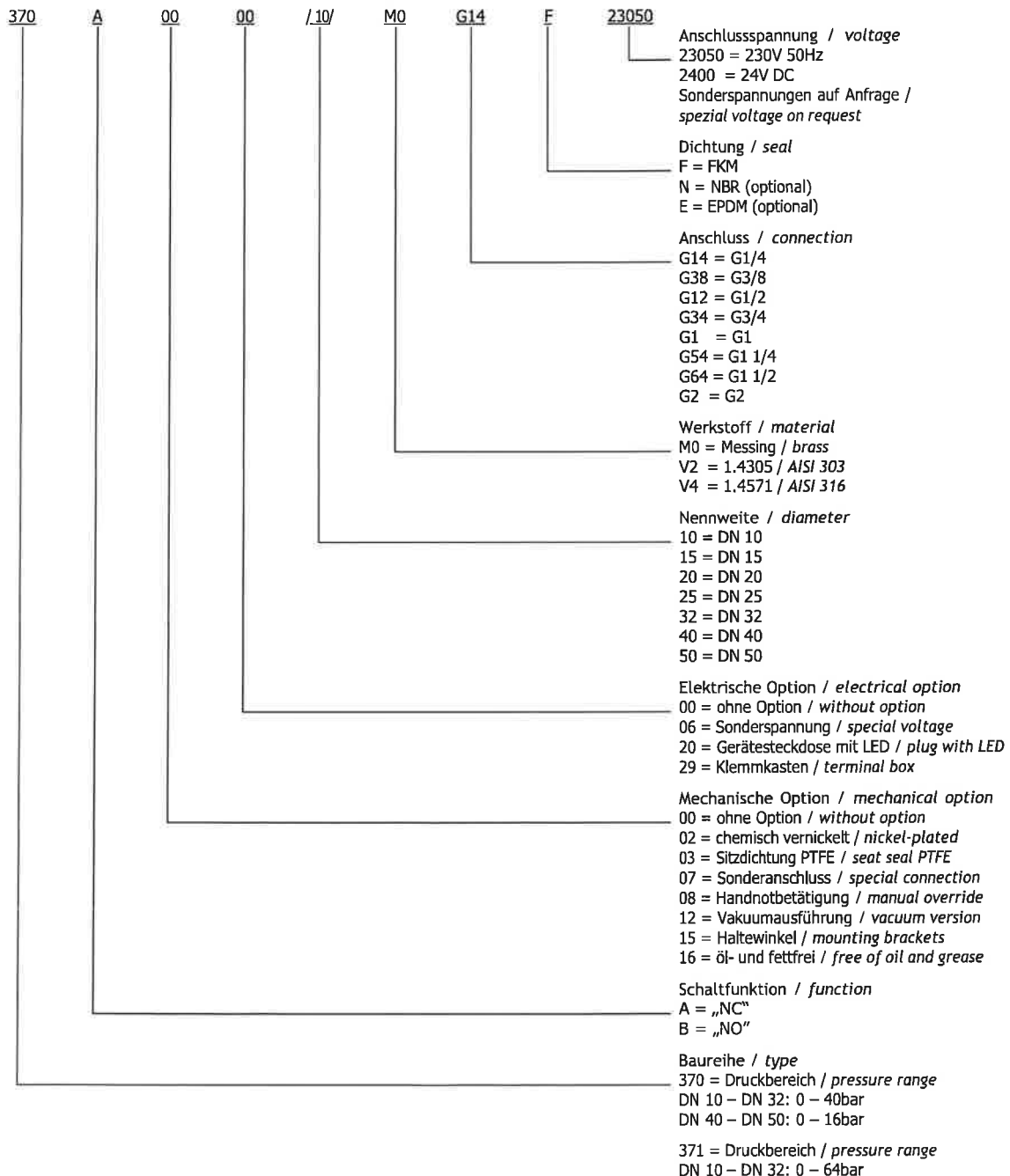
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3/2-Wege Coaxialventil 3/2-way coaxial valve

Baureihe 370 / 371
Type 370 / 371

Typenschlüssel type code

Die Typenbezeichnung setzt sich zusammen aus:
structure of the order specification:



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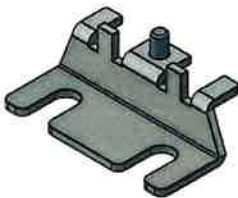
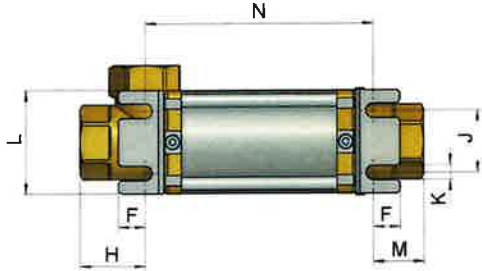
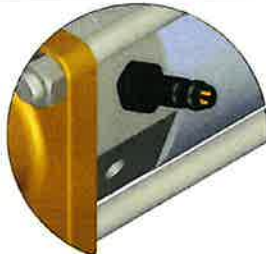
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3/2-Wege Coaxialventil
3/2-way coaxial valve

Baureihe 370 / 371
Type 370 / 371

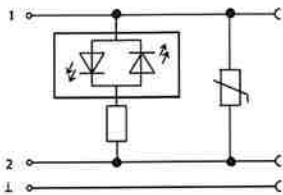
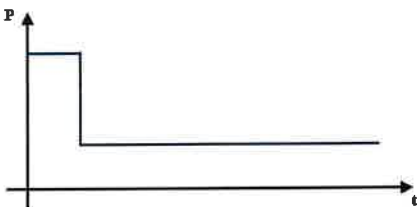
Zubehör
accessories

	Haltewinkel mounting brackets mechanische Option = 15 mechanical option = 15	 <table><tr><th>DN</th><th>F</th><th>H</th><th>J</th><th>K</th><th>L</th><th>M</th><th>N</th></tr><tr><th></th><th>[mm]</th><th>[mm]</th><th>[mm]</th><th>[mm]</th><th>[mm]</th><th>[mm]</th><th>[mm]</th></tr><tr><td>10</td><td>10</td><td>30,5</td><td>30</td><td>7</td><td>50</td><td>23,5</td><td>113</td></tr><tr><td>15</td><td>10,5</td><td>38,5</td><td>45</td><td>7</td><td>70</td><td>23,5</td><td>139</td></tr><tr><td>20</td><td>15,3</td><td>46,5</td><td>50</td><td>7</td><td>80</td><td>33,5</td><td>149</td></tr><tr><td>25</td><td>16</td><td>40</td><td>60</td><td>8,5</td><td>90</td><td>34</td><td>178</td></tr><tr><td>32</td><td>6</td><td>37</td><td>78</td><td>6,5</td><td>115</td><td>37</td><td>195</td></tr><tr><td>40</td><td>6</td><td>40</td><td>98</td><td>6,5</td><td>130</td><td>40</td><td>224</td></tr><tr><td>50</td><td>6</td><td>40</td><td>98</td><td>6,5</td><td>130</td><td>40</td><td>224</td></tr></table>	DN	F	H	J	K	L	M	N		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	10	10	30,5	30	7	50	23,5	113	15	10,5	38,5	45	7	70	23,5	139	20	15,3	46,5	50	7	80	33,5	149	25	16	40	60	8,5	90	34	178	32	6	37	78	6,5	115	37	195	40	6	40	98	6,5	130	40	224	50	6	40	98	6,5	130	40	224
DN	F	H	J	K	L	M	N																																																																			
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]																																																																			
10	10	30,5	30	7	50	23,5	113																																																																			
15	10,5	38,5	45	7	70	23,5	139																																																																			
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25	16	40	60	8,5	90	34	178																																																																			
32	6	37	78	6,5	115	37	195																																																																			
40	6	40	98	6,5	130	40	224																																																																			
50	6	40	98	6,5	130	40	224																																																																			
	Handnotbetätigung manual override mechanische Option = 08 mechanical option = 08																																																																									
	Stellungsanzeige position indication elektrische Option = 19 electrical option = 19																																																																									
	Klemmkasten terminal box Schutzart: IP 65 protection class: IP 65 PG11-Verschraubung PG11-fitting elektrische Option = 29 electrical option = 29																																																																									

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3/2-Wege Coaxialventil
3/2-way coaxial valve

Baureihe 370 / 371
Type 370 / 371

	Gerätesteckdose mit LED plug with LED elektrische Option = 20 electrical option = 20	
	Gerätesteckdose mit Leistungsabsenkung 24V DC Bauform A plug with power reduction form A elektrische Option = 07 electrical option = 07	
	Gerätesteckdose M12x1 plug with M12x1	

Weitere Optionen und Zubehör stimmen wir gerne auf Ihre Anforderungen ab.
We gladly coordinate further options and accessories according to your requirements.

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