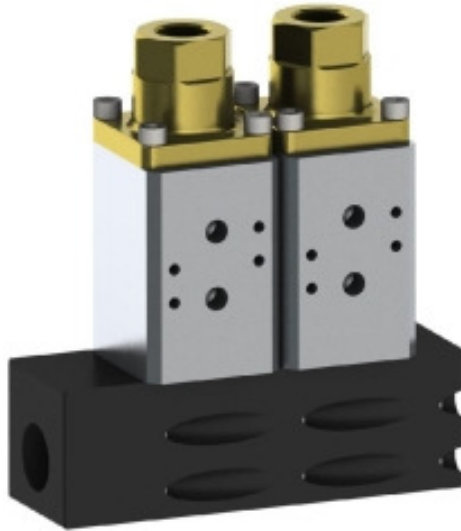
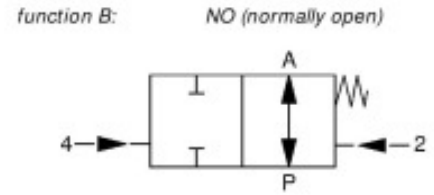
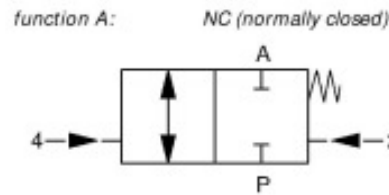


2/2-way coaxial valve

Type 280-X / 281-X / 282-X

Modulbauweise

modular design



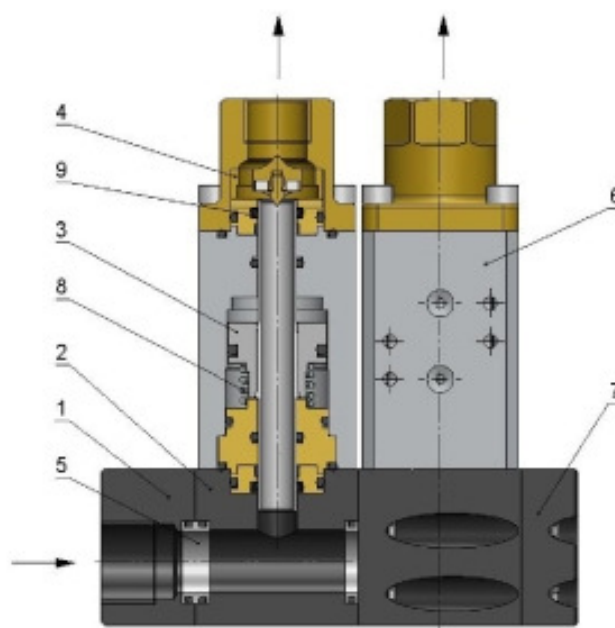
diameter	DN 10 – 50
pressure range	0 – max. 160bar backpressure leakproof up to max. 16bar
body material	single valve: brass block: aluminium
seal material	static: FKM dynamic: FKM, PTFE seat seal: PTFE
temperature	media: -10 up to +100 °C ambient: -10 up to +50 °C
connection	valve: G1/4 – G2 block: G1/2 – G2 1/2
flow direction	P → A max. 160bar A → P max. 16bar
actuating part	double acting piston with spring return
control pressure	3 – 8bar connections 2+4 (G1/4) port according to NAMUR an upstreamed service unit extends the lifetime of the valves
switching time	opening / closing 50 – 1000ms depending on operating pressure, pilot valve (option) and exhaust air throttle (option)
mounting	in any position

2/2-way coaxial valve

Type 280-X / 281-X / 282-X

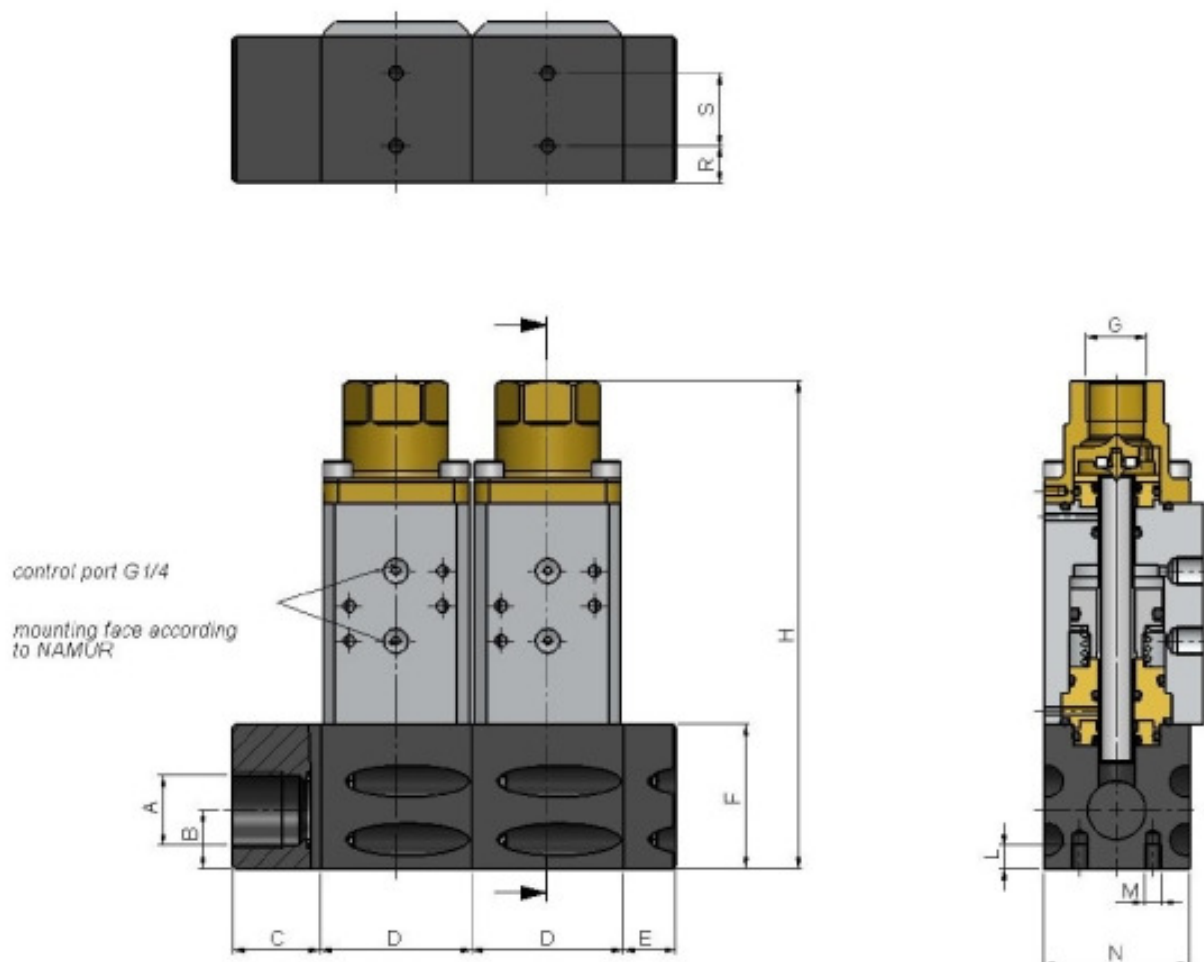
type	[mm]	pressure range [bar]	connection	flow rate [m³/h]	weight - brass [kg]
280-X	10	0 – 64	G1/4, G3/8, G1/2	2,7	1,5
280-X	15	0 – 64	G3/8, G1/2, G3/4	7,2	3,2
280-X	20	0 – 64	G1/2, G3/4, G1	9,4	4,0
280-X	25	0 – 64	G3/4, G1, G1 1/4	14,5	5,3
280-X	32	0 – 64	G1, G1 1/4, G1 1/2	20,0	6,9
280-X	40	0 – 64	G1 1/2	45,7	11,7
280-X	50	0 – 64	G2	47,2	11,7
281-X	10	0 – 120	G1/4, G3/8, G1/2	2,7	1,5
281-X	15	0 – 120	G3/8, G1/2, G3/4	7,2	3,2
281-X	20	0 – 120	G1/2, G3/4, G1	9,4	4,0
281-X	25	0 – 120	G3/4, G1, G1 1/4	14,5	5,3
281-X	32	0 – 100	G1, G1 1/4, G1 1/2	20,0	6,9
281-X	40	0 – 100	G1 1/2	45,7	11,7
281-X	50	0 – 100	G2	47,2	11,7
282-X	10	0 – 160	G1/4, G3/8, G1/2	2,7	1,5
282-X	15	0 – 160	G3/8, G1/2, G3/4	7,2	3,2
282-X	20	0 – 160	G1/2, G3/4, G1	9,4	4,0
282-X	25	0 – 160	G3/4, G1, G1 1/4	14,5	5,3

sectional drawing



pos.	quantity	description
1	1	fitting left
2	2	block module
3	2	piston
4	2	valve seat
5	3	distance piece
6	2	cylinder
7	1	end cover
8	1	spring
9	2	PTFE-rod seal

dimension drawing



DN [mm]	A	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	H [mm]	G	L [mm]	M [mm]	N [mm]	R [mm]	S [mm]
10	G1/2, G3/4, G1	20	42	52	18	49,5	167	1/4, 3/8, 1/2	8	M6	50	13	25
15	G1/2, G3/4, G1, G1 1/4	28	42	72	27	69,5	207	3/8, 1/2, 3/4	8	M6	70	21	28
20	G1, G1 1/4, G1 1/2	34	32	82	32	79,5	235	1/2, 3/4, 1	10	M8	80	25	34
25	G1, G1 1/4, G1 1/2	36	32	92	32	89,5	265	3/4, 1, 1 1/4	10	M8	90	20	50
32	G1 1/4, G1 1/2, G2	44	34	93	34	99,5	287	1, 1 1/4, 1 1/2	10	M8	90	21	50
40	G1 1/2, G2, G2 1/2	58	40	132	40	129,5	339	1 1/2	21	M12	130	30	70
50	G1 1/2, G2, G2 1/2	58	40	132	40	129,5	339	2	21	M12	130	30	70

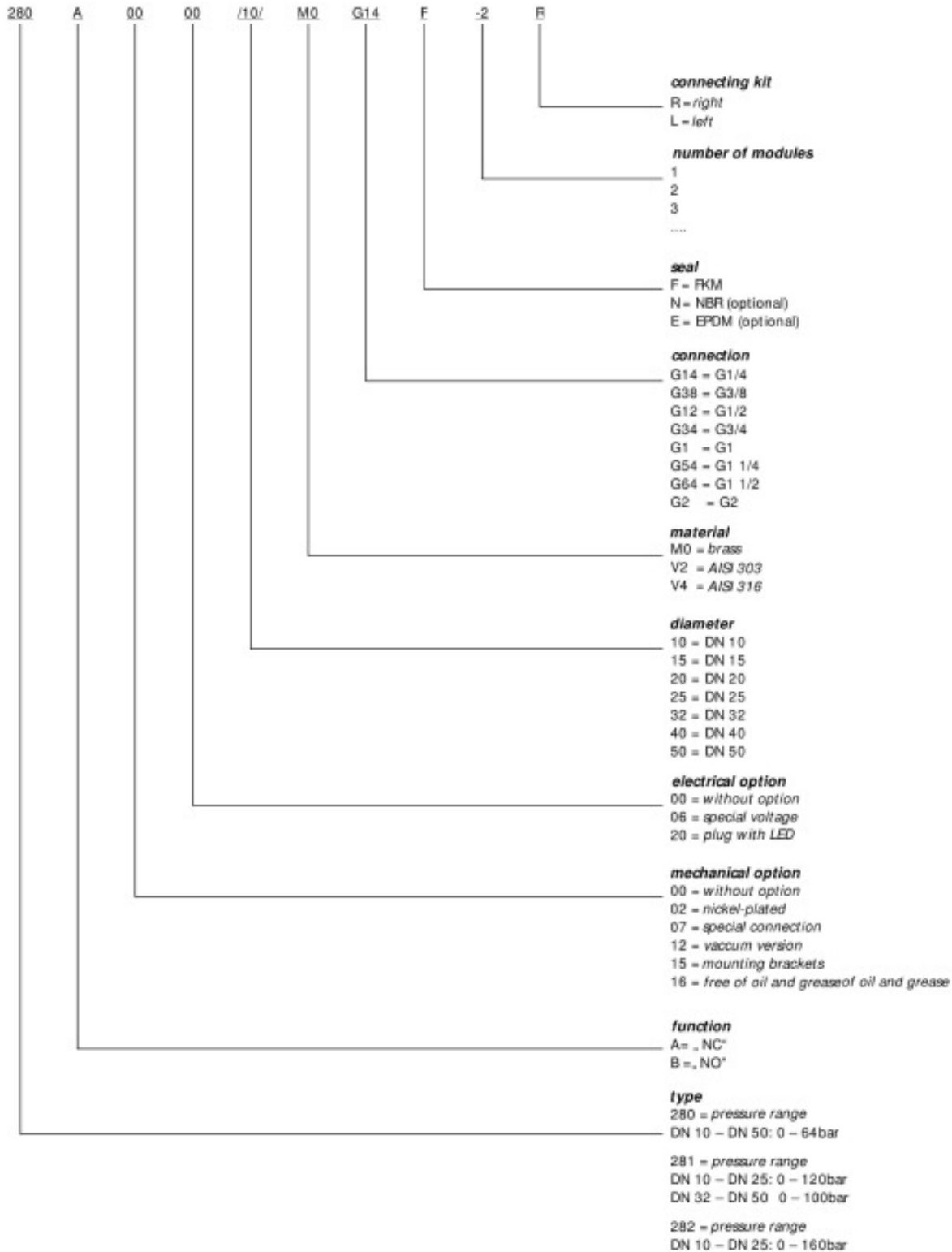
Coaxial-valves.com

2/2-way coaxial valve

Type 280-X / 281-X / 282-X

type code

structure of the order specification:



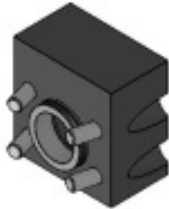
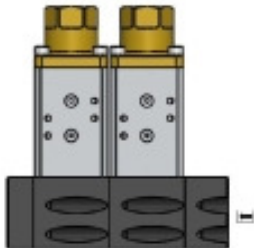
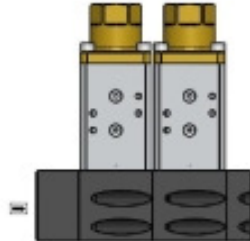
Coaxial-valves.com

2/2-way coaxial valve

Type 280-X / 281-X / 282-X

accessories

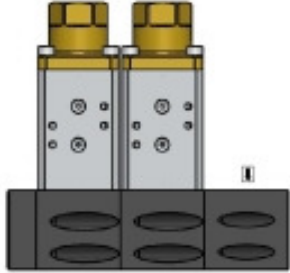
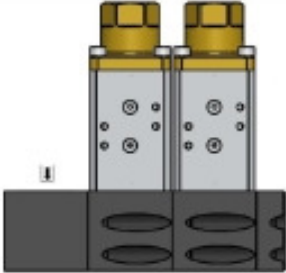
connecting pieces		end covers	
	isolation disc		end cover right
	distance piece		end cover left

connection parts		
	connection part right	
	connection part left	

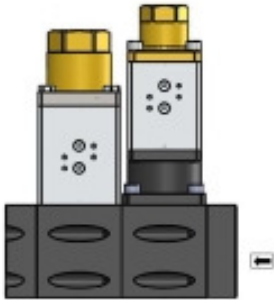
Coaxial-valves.com

2/2-way coaxial valve

Type 280-X / 281-X / 282-X

	connection part right 90° G1	
	connection part left 90° G1	

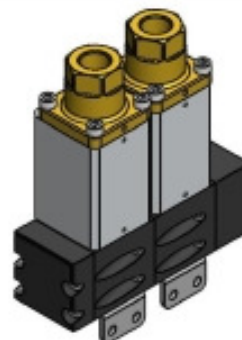
reducing adapters

	reducing adapter from DN 15 auf / to DN 10 DN 25 auf / to DN 10 DN 25 auf / to DN 15 DN 32 auf / to DN 20	
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further options



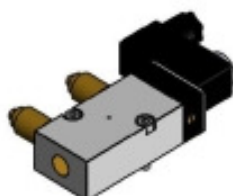
mounting brackets
mechanical option = 15



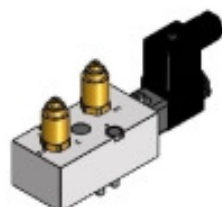
exhaust air throttle
G1/8
G1/4



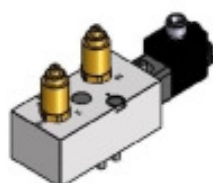
silencer of sinter bronze casting
G1/8
G1/4



5/2-way pilot valve (NAMUR) to
flange
connections laterally
24V DC
230V 50Hz



5/2-way pilot valve (NAMUR) to
flange
connections above
24V DC
230V 50Hz

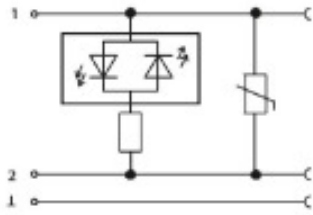


Magnet M12x1
5/2-way pilot valve (NAMUR) to
flange
connections above
solenoid M 12 x 1
24V DC
230V 50Hz

Coaxial-valves.com

2/2-way coaxial valve

Type 280-X / 281-X / 282-X

	<i>plug with LED</i> <i>electrical option = 20</i>	
	24V DC <i>plug with power reduction form A</i> <i>electrical option = 07</i>	
	<i>explosion proof</i> II 2G Ex m II T4 II 3D IP65 T130 °C <i>electrical option = 13</i>	<i>operating pressure is reduced by 20% in Ex specification</i>

We gladly coordinate further options and accessories according to your requirements.