

- > **Port size: G1/4, G1/2**
- > **High flow rate at small size**
- > **Proven sealing system, maintenance-free**
- > **Also suited for coarse vacuum, except types 4021330, 4022030, 4031330 & 4032030**



Technical features

Medium:

Compressed air, filtered lubricated or non lubricated

Operation:

Pneumatically controlled soft seal spool valve

Mounting position:

Optional

Connection:

G 1/4 & G 1/2

Operating pressure:

16 bar (232 psi) max
Details see table below

Flow direction:

Optional

Flow:

see table below

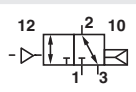
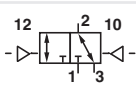
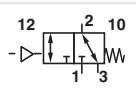
Ambient/Media temperature:

-10 ... +60°C (+14 ... +140°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)
If installed in the open protect all connections against the penetration of moisture!

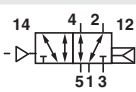
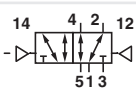
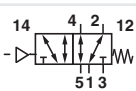
Materials:

Housing: Aluminium
Seals: NBR

3/2 directional control valves, pilot actuated

Symbol	Port size	Actuation/return	Flow (l/min)	Operating pressure (bar)	Pilot pressure (bar)	Weight (kg)	Drawing No.	Model
	G1/4	Air/Air spring	1200	1 ... 16	1,5 ... 16 *1)	0,28	1	4021330 *2)
	G1/2	Air/Air spring	3000	1,5 ... 16	1,5 ... 16 *1)	0,55	1	4022030 *2)
	G1/4	Air/Air	1200	0 ... 16	1,5 ... 16	0,28	2	4021430 *3)
	G1/2	Air/Air	3000	0 ... 16	1,5 ... 16	0,56	2	4022130 *3)
	G1/4	Air/Spring	1200	0 ... 16	2,5 ... 16	0,28	3	4021331 *3)
	G1/2	Air/Spring	3000	0 ... 16	2,5 ... 16	0,56	3	4022031 *3)

5/2 directional control valves, pilot actuated

Symbol	Port size	Actuation/return	Flow (l/min)	Operating pressure (bar)	Pilot pressure (bar)	Weight (kg)	Drawing No.	Model
	G1/4	Air/Air spring	1200	1 ... 16	1,5 ... 16 *1)	0,36	4	4031330 *3)
	G1/2	Air/Air spring	3000	2 ... 16	1,5 ... 16 *1)	0,63	4	4032030 *4)
	G1/4	Air/Air	1200	0 ... 16	1,5 ... 16	0,49	5	4031430 *4)
	G1/2	Air/Air	3000	0 ... 16	1,5 ... 16	0,76	5	4032130 *4)
	G1/4	Air/Spring	1200	0 ... 16	2,5 ... 16	0,49	6	4031331 *4)
	G1/2	Air/Spring	3000	0 ... 16	2,5 ... 16	0,76	6	4032031 *4)

*1) Control pressure must be $\geq$ operating pressure, however at least 1,5 bar

*2) Port 3 not throttleable

*3) Port 3 throttleable

*4) Port 3 and 5 throttleable

Option selector

40★★★★★

Function	Substitute
3/2 way	2
5/2 way	3

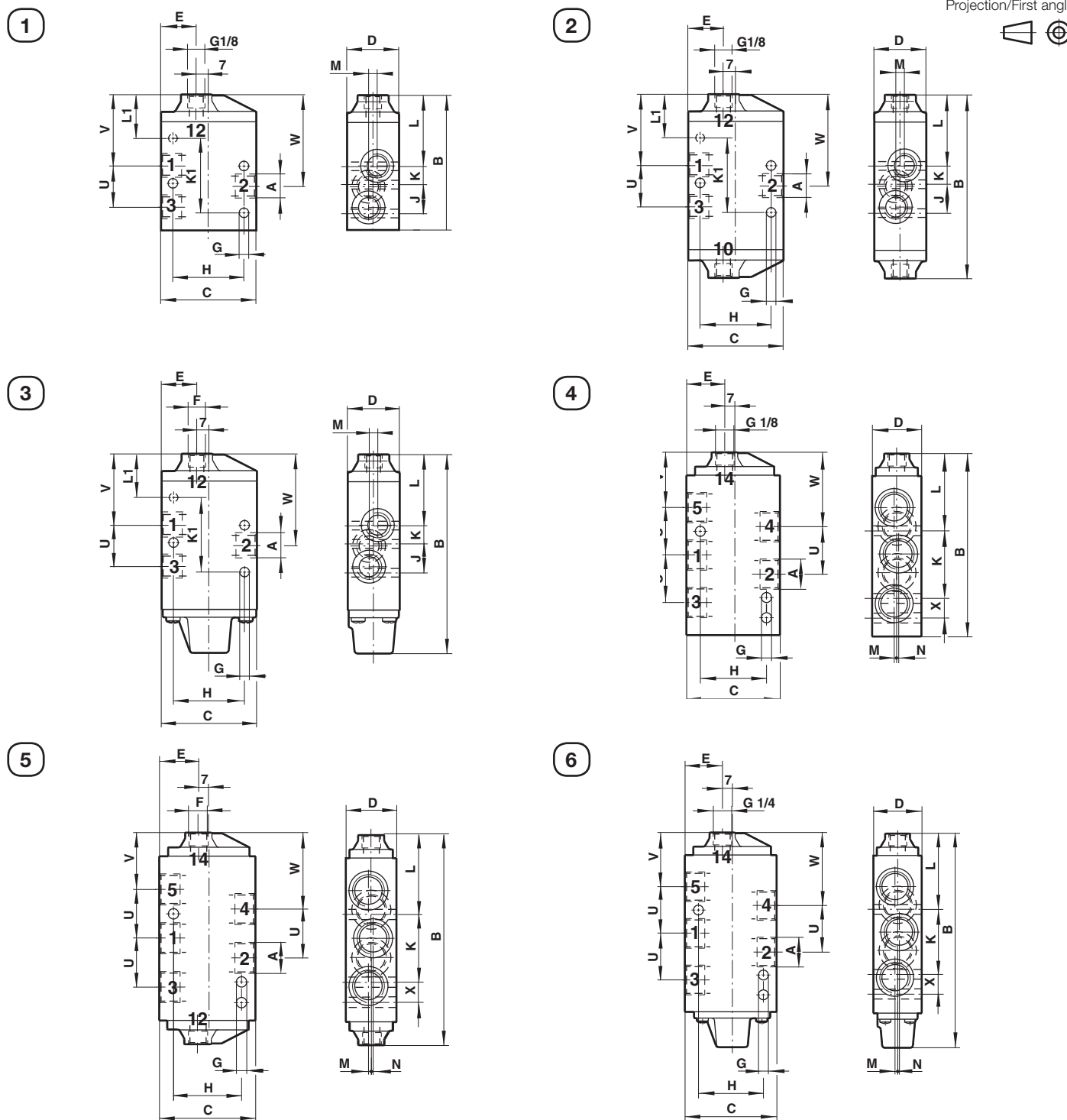
Port size - Actuation/return	Substitute
G1/4 - Air/Air spring	1330
G1/2 - Air/Air spring	2030
G1/4 - Air/Air	1430
G1/2 - Air/Air	2130
G1/4 - Air/Air spring	1331
G1/2 - Air/Air spring	2031

Accessories

Silencer *1)	Exhaust guard *2)
	
Page 4	Page 4
M/S2 (G1/4)	0613422 (G1/4)
M/S4 (G1/2)	0613423 (G1/2)

*1) For indoors use only
*2) For outdoors use, opening pressure ~ 0,2 bar

Dimensions

 Dimensions in mm
Projection/First angle


No.	A	B	C	D	E	F	ø G	H	J	K	K1	L	L1	M	N	U	V	W	X	Model
1	G1/4	75	55	30	20,5	—	5,5	41	17	10	—	40,5	—	5	—	24	40	52	—	4021300
1	G1/2	103	65	35	25,5	—	7	46	—	—	46	—	25,5	2,4	—	33	41	53	—	4022030
2	G1/4	106	55	30	20,5	—	5,5	41	17	10	—	41,5	—	5	—	24	41	53	—	4021430
2	G1/2	115	65	35	25,5	—	7	46	—	—	46	—	25,5	2,4	—	33	41	55	—	4022130
3	G1/4	115	55	30	20,5	G1/4	5,5	41	17	10	—	41,5	—	5	—	24	41	53	—	4021331
3	G1/2	124	65	35	25,5	G1/4	7	46	—	—	46	—	25,5	—	—	33	41	55	—	4022031
4	G1/4	99	55	30	20,5	—	7	40	—	67	—	27	—	2,5	2,5	24	40	52	—	4031330
4	G1/2	131	65	35	25,5	—	7	46	—	46	—	55	—	2	1,2	33	38,5	51,5	14	4032030
5	G1/4	134	55	30	20,5	G1/8	7	40	—	67	—	30	—	2,5	2,5	24	40	55	—	4031430
5	G1/2	143	65	35	25,5	G1/4	7	46	—	46	—	55	—	2	1,2	33	38,5	51,5	14	4032130
6	G1/4	143	55	30	20,5	—	7	40	—	67	—	30	—	2,5	2,5	24	43	55	—	4031331
6	G1/2	152	65	35	25,5	—	7	46	—	46	—	55	—	2	1,2	33	38,5	51,5	14	4032031

Silencer

Model: M/S2, M/S4

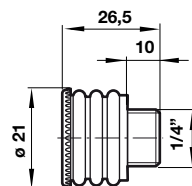


B	G	C	Ø D	Weight (g)	Model
G1/4	7	35,5	15,5	2,9	M/S2
G1/2	12	67	23	11,5	M/S4

Exhaust guard

Model: 0613422, 0613423

Dimensions in mm
Projection/First angle



B	Suitable for	G	C	Ø D	Weight (g)	Model
1/4"	G1/4	10	26,5	21	5	0613422
1/2"	G1/2	12	33,5	29	11	0613423

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under

»Technical features/data«.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.