

# 3/2 Directional Control Valves



Nominal sizes 15 to 50  
 Pneumatically actuated  
 Piston seat valves  
 Port size G 1/2 to G 2  
 Operating pressure 0 to 16 bar

Catalog Register  
**P8**

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## Description

Directional control valve for filtered, lubricated or non-lubricated air

Flow direction: Fixed  
 Temperature range: -10 to +60 °C

## Features

- High flow values
- Oil-free operation
- Easy-to-service design
- High switching frequency



## Parameters

Symbol	Nominal size	Port size	Operating pressure [bar]		Control pressure <sup>1)</sup> [bar]		k <sub>v</sub> -value (C <sub>v</sub> (US) = k <sub>v</sub> x 1.2)	Weight [kg]	Dimensional drawing No.	Cat. No.
			min.	max.	min.	max.				
	15	G 1/2	0	16	1	16	5	0.8	01	<b>8036510</b>
	20	G 3/4	0	16	1	16	8	1.0	01	<b>8036610</b>
	25	G 1	0	16	1	16	12	1.0	01	<b>8036710</b>
	30	G 1	0	16	1	10	18	2.2	01	<b>8036810</b>
	40	G 1 1/2	0	16	1	10	25	2.9	01	<b>8036910</b>
	50	G 2	0	16	1	10	35	5.7	01	<b>8037010</b>

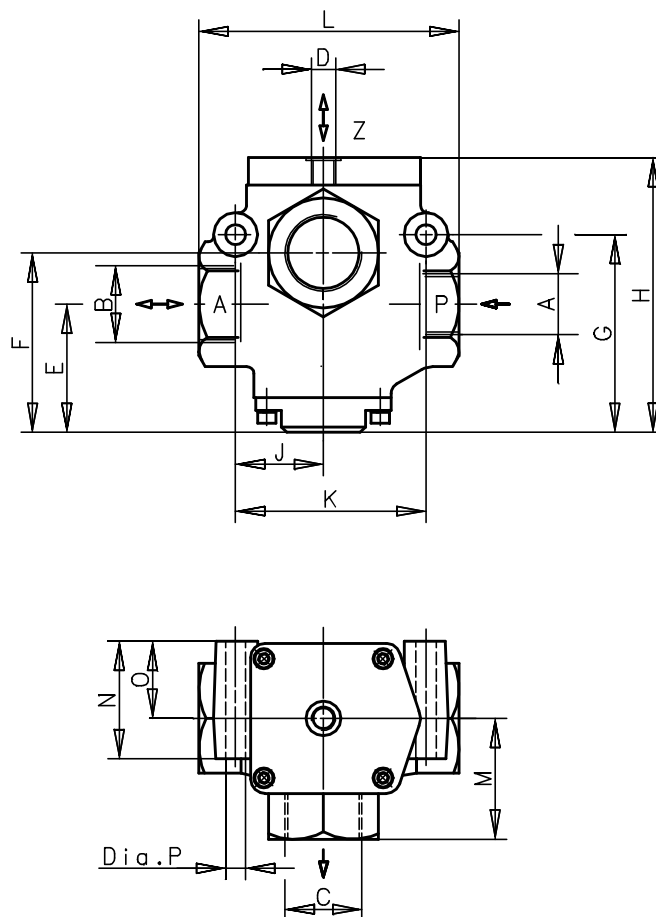
<sup>1)</sup> Control pressure must be ≥ operating pressure, however at least 1 bar.

## Further versions available on request

- Single air pilot actuated, normally open
- Double air pilot impulse actuated
- Nominal sizes 30, 40 and 50 up to 16 bar max.

## Dimensional drawing

01



**Dimensional table [mm]**

Cat. No.	A	B	C	D	E	F	G	H	J	K	L	M	N	O	Dia. P
<b>8036510</b>	G 1/2	G 1/2	G 3/4	G 1/4	48.5	63.5	65.5	105.5	32	71	86	39	52	39	9
<b>8036610</b>	G 3/4	G 3/4	G 1	G 1/4	51.5	73	75	115.5	39	82.6	112	52	54	40	9
<b>8036710</b>	G 1	G 1	G 1	G 1/4	51.5	73	75	115.5	39	82.6	112	52	54	40	9
<b>8036810</b>	G 1	G 1 1/4	G 1 1/4	G 1/4	70	98	108	150	48	104	142	66	64	42	11
<b>8036910</b>	G 1 1/2	G 1 1/2	G 1 1/2	G 1/4	85	115.5	121.5	173	50.5	118	164	77	70	46	14
<b>8037010</b>	G 2	G 2	G 2	G 1/4	98	137	144	209	66	148	200	97	85	56	18

## Spare parts kit

Nominal size	Cat. No. Valve	Cat. No. Spare parts kit
15	8036510	<b>0555571</b>
20	8036610	<b>0555572</b>
25	8036710	<b>0555572</b>
30	8036810	<b>0557153</b>
40	8036910	<b>0557154</b>
50	8037010	<b>0557155</b>