

Data sheet

Pressure test valve

Type MBV 5000



The pressure test valve, type MBV 5000 is a part of the block concept which has been developed to save space, weight and costs. The test valve is intended for use in many applications, for example monitoring, alarm indication, shut-down, diagnosing on equipment such as motors, gears, thrusters, pumps, filters, compressors etc.

The block valve is designed in many different configurations for use in the marine industry. The valve meets demands for fast installation, simple isolation and easy test pressure connection. In addition to the test valves the block concept consists of block pressure and temperature controls – type MBC, block pressure transmitters – type MBS and accessories.

The test valves meet the strict demands on marine equipment, including EU stipulations on such products.

Features

- Compact design,
- Light material,
- Many configuration possibilities,
- Low installation cost,
- Fast and easy to operate,
- Standard version suitable for liquid media only. Stainless steel version for liquid and air.

Data sheet | Pressure test valve, type MBV 5000

Technical data

Performance

Pressure	Operating pressure Burst pressure	0 – 180 bar 720 bar
Temperature	Operating temperature Ambient temperature Temperature of medium	-20 – 120 °C -20 – 120 °C -20 – 120 °C

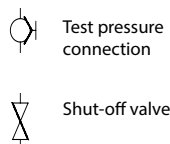
Mechanical specification

Material	Housing Nipple Ball Gasket	AW-6082T6 (AlMgSi1) AW-6082T6 (AlMgSi1) stainless steel 1.4404 PEEK/FPM
Material for stainless steel version	Housing Nipple Ball Gasket	stainless steel 1.4401 stainless steel 1.4401 stainless steel 1.4404 PEEK/FPM
Pressure connection	Input Output	G 1/4 Flange / M5 x 8

Specification and code numbers for standard types

Pressure connection: G 1/4. Test pressure connection: M16 x 2

Symbol	Type	Output no.	Weight	Length	Height	Width	Type no.	Code no.
			[kg]	[mm]	[mm]	[mm]		
	1	x1	0.40	36	80	40	MBV5000-1111	061B7000
		x1	0.85	36			MBV5000-1111S	061B7051
		x2	0.80	76			MBV5000-1211	061B7001
		x3	1.20	116			MBV5000-1311	061B7002
		x4	1.60	156			MBV5000-1411	061B7003
		x5	2.00	196			MBV5000-1511	061B7004
	2	x2	0.80	76	80	40	MBV5000-2211	061B7005
		x3	1.20	116			MBV5000-2311	061B7006
		x4	1.60	156			MBV5000-2411	061B7007
		x5	2.00	196			MBV5000-2511	061B7008
	3	x2	0.70	76	80	40	MBV5000-3211	061B7009
		x3	1.00	116			MBV5000-3311	061B7010
		x4	1.30	156			MBV5000-3411	061B7011
		x5	1.60	196			MBV5000-3511	061B7012



Code numbers for standard flange → G 1/4 aluminium adapters

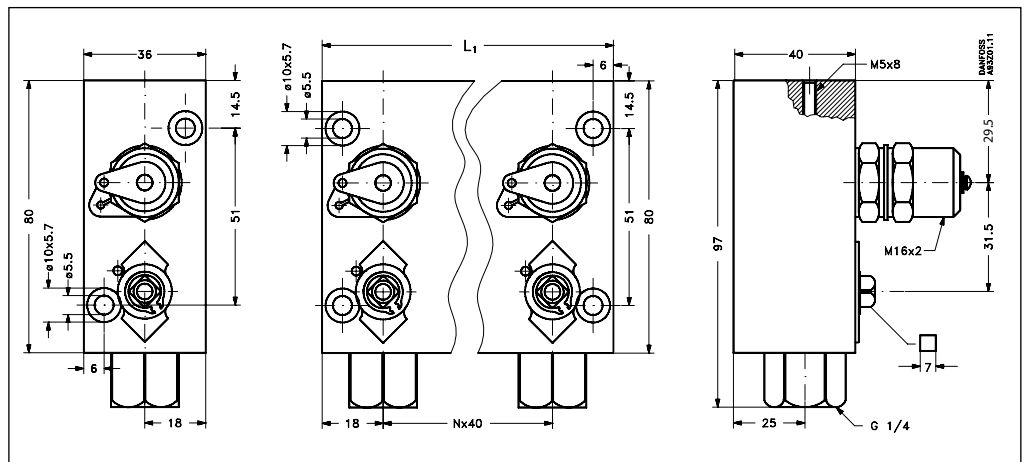
Description	Code no.
Cover	061B720001
Angleway adapter	061B720101
Straightway adapter	061B720201

Ordering special versions

Type no: MBV 5000-	x	x	x	x	x
Type Separate inputs and separate test functions Common input and separate test functions Common input and common test function Other	1 2 3 x				— 6082 (AlMgSi1) version S Stainless steel (1.4401) version x Other
Number of outputs (n) 1 Output (only for type 1) 2 Outputs 3 Outputs 4 Outputs 5 Outputs Other	1 2 3 4 5 x	0 1 x			Pressure connection G 1/4 M10 x 1 Other
					Test pressure connection Hole plug G 1/4 Pressure gauge connection M16 x 2 Other

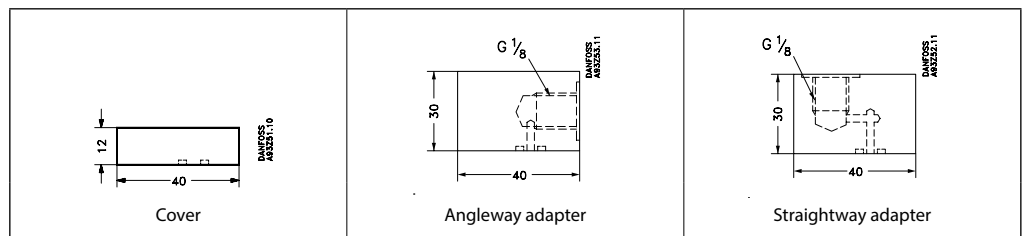
Dimensions [mm]

Test valve



Outputs	1	2	3	4	5
L ₁	36	76	116	156	196

Adapters



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