

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*

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

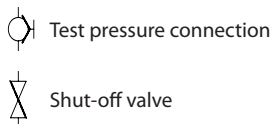
*Mechanical specification*

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

**Specification and code numbers for standard types**

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

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



**Code numbers for standard flange → G 1/8 aluminium adapters**

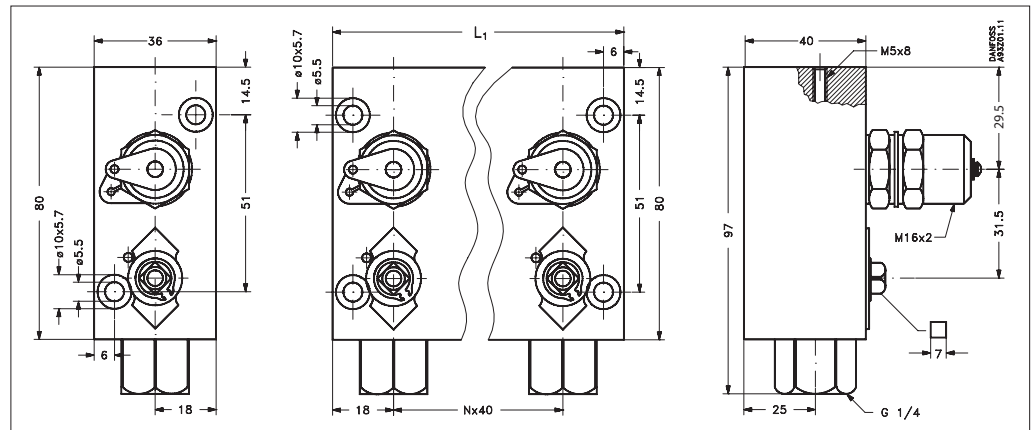
Description	Code no.
Cover	<b>061B720066</b>
Angleway adapter	<b>061B720166</b>
Straightway adapter	<b>061B720266</b>

**Ordering special versions**

Type no: MBV 5000-	x	x	x	x	x
<b>Type</b> 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
<b>Number of outputs (n)</b> 1 Output (only for type 1) 2 Outputs 3 Outputs 4 Outputs 5 Outputs Other	1 2 3 4 5 x	0 1 x			<b>Pressure connection</b> 1 G 1/4 2 M10 x 1 x Other  <b>Test pressure connection</b> Hole plug G 1/4 Pressure gauge connection M16 x 2 Other

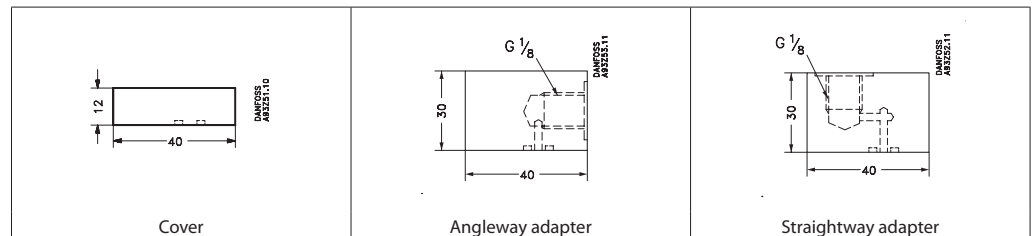
**Dimensions [mm]**

*Test valve*



Outputs	1	2	3	4	5
L <sub>1</sub>	36	76	116	156	196

*Adapters*



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