



Technical brochure

Pressure Test Valves, 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

Technical data

Performance

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

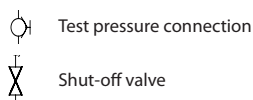
Mechanical

Material	Housing Nipple Ball Gasket	Anodized AlMgSi1 AlMgSi1 1.4404 PEEK/FPM
Pressure connection	Input Output	G $\frac{1}{4}$ Flange / M5 x 8

Specification and code numbers for standard types

 Pressure connection: G $\frac{1}{4}$, Test pressure connection: M16 x 2

Symbol	Type	Output no.	Weight kg	Length mm	Height mm	Width mm	Type no.	Code no.
	1	x1	0.4	36	80	40	MBV5000-1111	061B7000
		x2	0.8	76			MBV5000-1211	061B7001
		x3	1.2	116			MBV5000-1311	061B7002
		x4	1.6	156			MBV5000-1411	061B7003
		x5	2.0	196			MBV5000-1511	061B7004
	2	x2	0.8	76	80	40	MBV5000-2211	061B7005
		x3	1.2	116			MBV5000-2311	061B7006
		x4	1.6	156			MBV5000-2411	061B7007
		x5	2.0	196			MBV5000-2511	061B7008
	3	x2	0.7	76	80	40	MBV5000-3211	061B7009
		x3	1.0	116			MBV5000-3311	061B7010
		x4	1.3	156			MBV5000-3411	061B7011
		x5	1.6	196			MBV5000-3511	061B7012

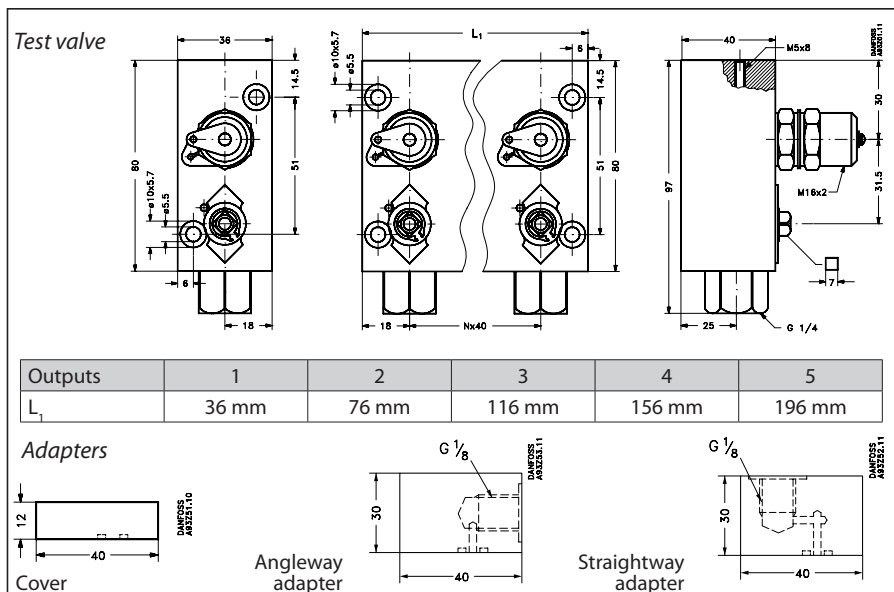

 Code numbers for standard flange → G $\frac{1}{8}$ adapters

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

Ordering special versions

Type no: MBV 5000-	x	x	x	x
Type				Pressure connection
Separate inputs and separate test functions	1		1	G $\frac{1}{4}$
Common input and separate test functions	2		2	M10 x 1
Common input and common test function	3		x	Other
Other	X			
Number of outputs (n)				Test pressure connection
1 Output (only for type 1)	1	0		Hole plug G $\frac{1}{4}$
2 Outputs	2	1		Pressure gauge connection M16 x 2
3 Outputs	3	X		Other
4 Outputs	4			
5 Outputs	5			
Other	X			

Dimensions



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