

Test valve
Type **MBV 5000**

Product specification

Technical data

Table 1: Performance

Pressure	Operating pressure	0 – 180 bar 0 – 60 bar ⁽¹⁾
	Burst pressure	720 bar 240 bar ⁽¹⁾
Temperature	Operating temperature	-20 – 120 °C
	Ambient temperature	-20 – 120 °C
	Temperature of medium	-20 – 120 °C

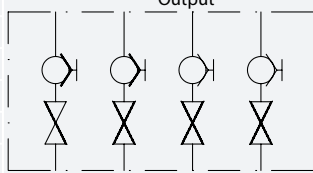
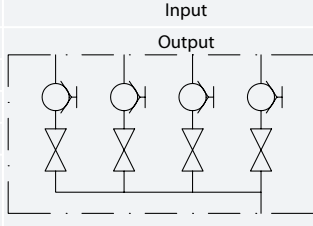
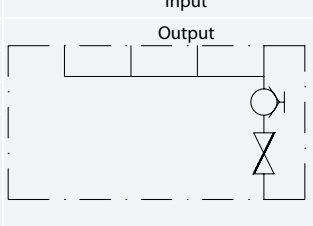
⁽¹⁾ For 061B7055 MBV 5000-2211S only

Table 2: Mechanical specification

Material	Housing	AW-6082T6 (AlMgSi1)
	Nipple	AW-6082T6 (AlMgSi1)
	Ball	Stainless steel 1.4404
	Gasket	PEEK/FPM
Material for stainless steel version	Housing	Stainless steel 1.4401
	Nipple	Stainless steel 1.4401
	Ball	Stainless steel 1.4404
	Gasket	PEEK/FPM
Pressure connection	Input	G ¼
	Output	Flange / M5 x 8

Standard specification and code numbers

Table 3: Pressure connection: G ¼. Test pressure connection: M16 x 2

Type no.	Symbol	Type	Output no.	Weight [kg]	Length [mm]	Height [mm]	Width [mm]	Code no.	
MBV5000-1111		DANFOSS A93Z02.11	1	x1	0.40	36	80	40	061B7000
MBV5000-1111S			1	x1	0.85	36	80	40	061B7051
MBV5000-1211			1	x2	0.80	76	80	40	061B7001
MBV5000-1311			1	x3	1.20	116	80	40	061B7002
MBV5000-1411			1	x4	1.60	156	80	40	061B7003
MBV5000-1511		DANFOSS A93Z03.11	1	x5	2.00	196	80	40	061B7004
MBV5000-2211			2	x2	0.80	76	80	40	061B7005
MBV5000-2211S			2	x2	2.00	76	80	40	061B7055
MBV5000-2311			2	x3	1.20	116	80	40	061B7006
MBV5000-2411			2	x4	1.60	156	80	40	061B7007
MBV5000-2511		DANFOSS A93Z04.11	2	x5	2.00	196	80	40	061B7008
MBV5000-3211			3	x2	0.70	76	80	40	061B7009
MBV5000-3311			3	x3	1.00	116	80	40	061B7010
MBV5000-3411			3	x4	1.30	156	80	40	061B7011
MBV5000-3511			3	x5	1.60	196	80	40	061B7012



Test pressure connection



Shut-off valve

Code numbers for standard flange → G 1/8 (aluminium) or G 1/4 (stainless steel)

Table 4: Aluminium adapters

Description	Code no.
Cover	061B720066
Angleway adapter	061B720166
Straightway adapter	061B720266

Table 5: Stainless steel adapters

Description	Code no.
Angleway adapter	061B721766
Straightway adapter	061B720866

Dimensions [mm]

Figure 1: Test valve

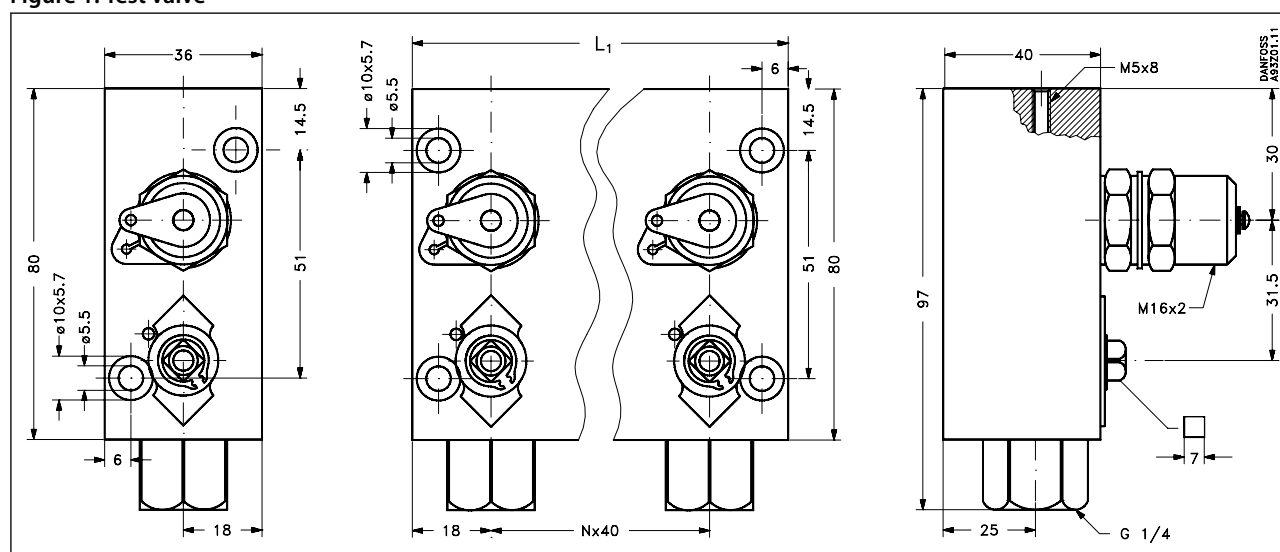


Table 6: Test valve

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

Figure 2: Adapters (aluminium version)

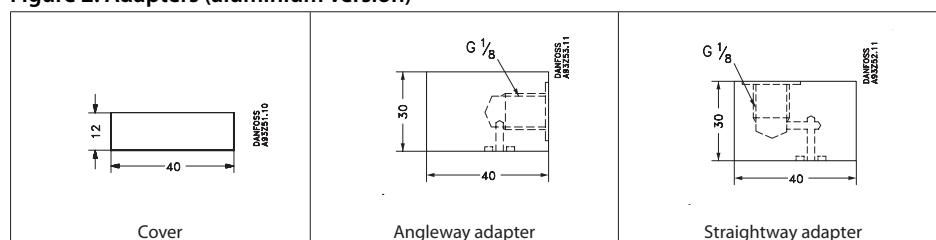
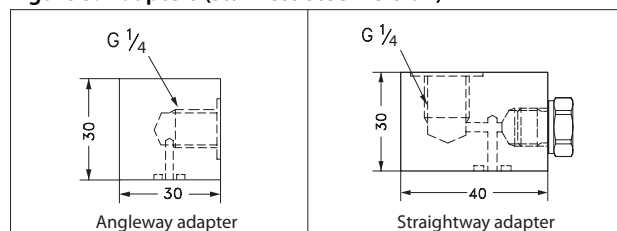


Figure 3: Adapters (stainless steel version)



Ordering

Ordering special versions

Type no: MBV 5000-	x	x	x	x	x
					— 6082 (AlMgSi1) version S Stainless steel (1.4401) version x Other
Type Separate inputs and separate test functions Common input and separate test functions Common input and common test function Other	1 2 3 x			1 2 x	Pressure connection G 1/4 M10 × 1 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		Test pressure connection Hole plug G 1/4 Pressure gauge connection M16 × 2 Other

Certificates, declarations, and approvals

The list contains all certificates, declarations, and approvals for this product type. Individual code number may have some or all of these approvals, and certain local approvals may not appear on the list.

Some approvals may change over time. You can check the most current status at danfoss.com or contact your local Danfoss representative if you have any questions.

Table 7: Declarations and approvals

File name	Document type	Document topic	Approval authority
EAC RU Д-ДК.Б/108.В.03644	EAC Declaration	Machinery & Equipment	EAC

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