

Introduction



The MBV 2000 isolation valve is designed for mounting between Danfoss pressure transmitters with DIN 3852 - E pressure connection and fluid-filled systems and offers a fast and efficient method of connection and removal.

The isolation valve automatically closes when a transmitter is removed, so transmitters can be changed easily without having to first drain a system. The valve re-opens when a transmitter is connected.

The valve meets demands for fast installation, simple and effective isolation and easy connection.

Technical data

Performance

Pressure:
 Operating pressure: Up to 600 bar.
 Burst pressure: 1500 bar.

Temperature:
 Operating temperature: -20°C to 200°C

Materials

Wetted parts:
 All metal parts in contact with the medium:
 DIN 17440-1.4404 (AISI 316 L)

Gasket:
 Viton

System medium:
 The valve is impervious to fuel oil, oil, water and air.
 It is not recommended for use with petroleum, combustible gasses or corrosive chemicals.

Mounting

Packaging:
 Isolation valves are supplied with two plastic protective covers which should be removed prior to use.

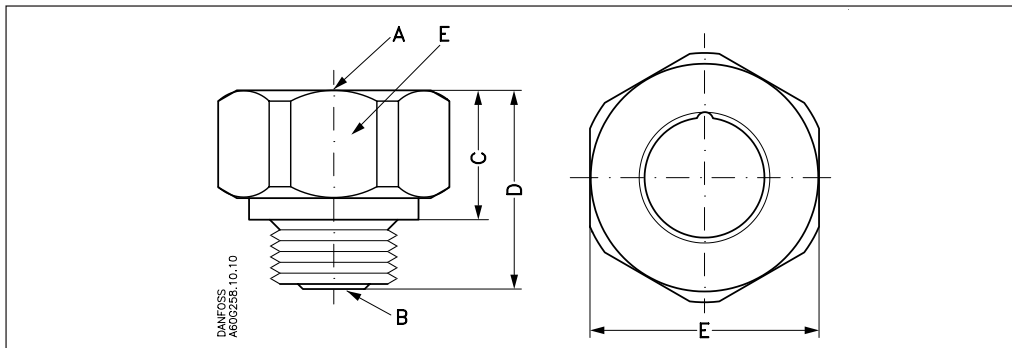
Locking/fixing:
 For safety, it is essential that the isolation valve is thoroughly secured to the system prior to connecting/disconnecting a transmitter. The valve must not become loose when a transmitter is being removed.

Fitting & removal:
 It is recommended to remove or fit transmitters at a system pressure below 40 bar.

Application note:

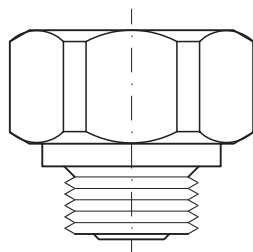
The MBV 2000 must only be used to connect Danfoss transmitters with a pressure connection in compliance to DIN-3852-E.

Specification and code numbers for standard types



A	B	C	D	E	Code no.	Type
G $\frac{1}{4}$ DIN 3852	G $\frac{1}{4}$ A DIN 3852-E	17.5 mm	29.4 mm	24	061B6001	MBV 2000-111
G $\frac{1}{4}$ DIN 3852	G $\frac{1}{2}$ A DIN 3852-E	15.4 mm	29.4 mm	30	061B6002	MBV 2000-123
G $\frac{1}{2}$ DIN 3852	G $\frac{1}{2}$ A DIN 3852-E	20.4 mm	34.4 mm	30	061B6003	MBV 2000-223
G $\frac{1}{4}$ DIN 3852	$\frac{1}{4}$ -18 NPT DIN 3866-A	16.4 mm	29.4 mm	24	061B6004	MBV 2000-131

Ordering of special versions



Type no: MBV 2000-

Female thread:

G $\frac{1}{4}$ DIN 3852	.....	1	X
G $\frac{1}{2}$ * DIN 3852	.....	2	X
Others	.....	X	X

Male thread:

G $\frac{1}{4}$ DIN 3852-E	.....	1	X
G $\frac{1}{2}$ * DIN 3852-E	.....	2	X
$\frac{1}{4}$ -18 NPT DIN 3866-A	.....	3	X
Others	.....	X	X

Width across flats:

E 24	.....	1	X
E 27	.....	2	X
E 30	.....	3	X
Others	.....	X	X

* E 27 & E 30 only

Ordering of special versions will impose an additional cost and extended delivery times. Minimum order quantity: 12 parts.

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