

## TECHNICAL INFORMATION

### Pressure compensation gland

MSBF-DAE / MBF-DAE

Pressure compensation glands are cable glands with an integrated Pressure Compensation Membrane. This provides protection from particles, water, oils, and liquids while allowing pressure and temperature equalization of enclosures. This durable, threaded vent is easily integrated into existing equipment and can be used in a variety of applications including sensors, protective cases, lighting enclosures, appliances and general enclosures where protective venting is required.



### TYPICAL APPLICATIONS

- Sensors
- Protective cases
- Lighting enclosures
- General enclosures
- Appliances
- Arena & events lighting
- Industrial lighting
- Electrical and communication junction boxes/outdoor enclosures

### FEATURES & BENEFITS

Pressure Compensation Elements extend the life of the device and improve reliability because they:

- Prevent the passage of harmful particles and liquids into the device.
- Allow for constant pressure equalization during altitude and temperature fluctuations.

### TYPICAL CONSTRUCTION

Pressure compensation glands are comprised of brass or polyamide. The pressure compensation screw connection contains an integrated pressure compensation element with a puncture-proof and moisture-proof filter medium.

### PRODUCT OFFERINGS

Part number	Model	Werkstoff	Color	O-Ring	Typical Airflow (ml/min) @ 70 mbar	IP Rating*	
						66	67
12004100	DAE-MBF 12	polyamide	light grey	gasket	400	✓	✓
12004200	DAE-MBF 16	polyamide	light grey	gasket	400	✓	✓
12004300	DAE-MBF 20	polyamide	light grey	gasket	650	✓	✓
13004100	DAE-MSBF 12	brass	light grey	Yes	400	✓	✓
13004200	DAE-MSBF 16-1	brass	light grey	Yes	400	✓	✓
13004250	DAE-MSBF 16-2	brass	light grey	Yes	550	✓	✓
13004300	DAE-MSBF 20	brass	light grey	Yes	800	✓	✓

\* All IP Rating tests were carried out under laboratory conditions with clear water (fresh water). Suitability in combination with other media must be checked by the user. Max. attainable protection possible depending on installation.

### NOTICE

The venting element has no function if it is blocked with dust and / or submerged in water.

### TEST SPECIFICATIONS

- DIN 40050.9: Degree of Protection (IP-Code); Protection against water and dust
- Temperature range: -20°C to +100°C