

RIB800

The pressure gauges Riels RIB800 are industrial instruments entirely manufactured in stainless steel, designed to resist in every bad condition.

RIB800G liquid filling

Same gauge of RIB800 series but filled with liquid to reduce the stresses caused by the vibrations of the installation, pulsating pressures or water hammers.

The waterproof build allow the dampening liquid (glycerine or siliconic oil).

These pressure gauges are designed for chemical, petrolchemical and food industries. Diaphragm seals and electric contacts are available.



Uses

- Chemical industry, Food industry, Pharmaceutical industry, Oil industry
- Everywhere there are problems of corrosion, pulsation or mechanical vibrations
- Available in Atex version (in compliance with the ATEX 94/9/CE directive)
- Available in the degreasing version for oxygen use

Design Features

Dial size:	40 / 50 / 63 / 80 / 100 / 150 mm
Connections:	for pressure gauges with standard 40/50/63 1/8" diameter (on request 1/4") for pressure gauges with 80 standard 3/8" diameter for pressure gauges with standard 100/150 diameter 1/2"
Accuracy:	2,5% for 40 e 50 mm sizes; 1,6% for 63 e 80 mm sizes; 1% for 100 e 150 mm sizes
Case and ring;	Stainless steel AISI 304
Connection:	Stainless steel AISI 316
Movement:	Stainless steel AISI 304
Bourdon tube:	Stainless steel AISI 316 L (seamless tube) (TIG welding on connection)
Dial:	White aluminium with black marks (EN-837-1)
Pointer:	Black anodized aluminium ; zero adjustment
Window:	Security glass 4 mm (safety glass)
Cup:	EPDM
Window gasket:	EPDM
Welding:	TIG ARGON ARC
Degree of protection:	IP 65 (EN60529)

Operating Conditions

Maximum operating temperature:	from -30°C to +65°C (dry version) ; from +5°C to +65°C (liquid filled version) ;
Process fluid:	from -40°C to +180°C (dry version); from +5°C to +70°C (glycerine filled version); from -30°C to +130°C (siliconic oil 47V100 filled version)
Operating pressure:	constant : 75% F.S.V. ; changeable : 60% F.S.V
Overpressure:	up to 60 bar : 25% F.S.V. ; from 100 bar: 15% F.S.V.
Thermal drift:	maximum $\pm 0.3\%$ of span every 10°C of deviation from the reference temperature of 20°C

Range (bar)					Types of Assembly
Range available in Bar:	-1÷0	0÷0,6	0÷25	0÷1000	1. Bottom attack
	-1÷0,6	0÷1	0÷40	0÷1600	2. Wall with 3 holes flange, bottom connection.
	-1÷1,5	0÷1,6	0÷60		3. Back attachment
	-1÷3	0÷2,5	0÷100		4. Panel with 3 holes flange, back connection
	-1÷5	0÷4	0÷160		
	-1÷9	0÷6	0÷250		
	-1÷15	0÷10	0÷400		
	-1÷24	0÷16	0÷600		

Ranges on request : bar+psi / psi / Kpa / Mpa / mH2o / etc.

How to order

When ordering pls. specify:

	Model	Mounting	Dial	Range	Pressure connection	Options and accessories
EXAMPLE	RIB800	1	DN 100	0/6 bar	G 1/2"	Min. pointer

Options and accessories:

- Glycerine filling ;
- Silicon oil filling 47V100;
- Two ways needle valve ;
- Three ways needle valve ;
- Diaphragm seals ;
- Screw dampener ;
- Electric contacts ;
- Syphon ;
- Dampener;
- Safety valve ;
- Rubber shell;
- Red pointer on dial plate ;
- Minimum / maximum / min-max adjustable pointer.