



DP 358 SERIES

Double C-Bourdon tube differential pressure gauges

- ◆ watertight casing for dry or liquid filled execution;
- ◆ NS 100;
- ◆ ranges included between 1 and 60 bar;
- ◆ accuracy class 1,6.



made in
ITALY



PED 2014/68/EU
ATEX 2014/34/EU



TECHNICAL FEATURES

- **Nominal size**
 - 100.
- **Execution**
 - A... direct mounting;
 - B... surface mounting with 3-hole;
 - C... back panel flush mounting with pegs;
 - ...D dry;
 - ...F liquid filled.
- **Casing**
 - case and ring in AISI 304 stainless steel (AISI 316 on request - option V61) with bayonet bezel.
- **Protection degree (according to EN 60529)**
 - IP 67.
- **Window**
 - glass for execution D;
 - methacrylate for execution F;
 - laminated safety glass (on request - option V17).
- **Filling liquid**
 - silicone fluid.
- **Pressure connections (according to EN 837)**
 - AISI 316L stainless steel:
 - 1/4-18 NPT (1/4 NPT female).
- **Pressure element**
 - double C-Bourdon tube in AISI 316L st.st.
- **Static pressure**
 - twice full scale value apart from the pressure entry in one or both connections;
- three times full scale value (special execution, on request only - option V48).
- **Movement**
 - stainless steel.
- **Ranges (according to EN 837)**
 - **Graduation:**
 - 0 ÷ 1; 0 ÷ 1,6; 0 ÷ 2,5; 0 ÷ 4; 0 ÷ 6; 0 ÷ 10; 0 ÷ 16; 0 ÷ 25; 0 ÷ 40; 0 ÷ 60; (divisions as per table C1 at page P04)
 - other graduations not normalized.
 - **Unit of pressure:**
 - mbar, bar, kPa, kg/cm² and psi for single or double range.
 - **Scale angle:**
 - 270°.
- **Pointer**
 - aluminium with micrometer adjustment.
- **Dial**
 - white aluminium with black figures (for dial modifications see available options).
- **Accuracy (according to EN 837)**
 - class 1,6 (± 1,6% r.v.f.s.).
- **Ambient temperature**
 - - 20 ÷ + 60 °C.
- **Operating temperature**
 - max 120 °C.

OPTIONS

- **Window**
 - different from standard:
 - laminated safety glass. (identification V17)
- **Deagresing for oxygen service (identification V31)**
- **Special static pressure**
 - three times full scale value. (identification V48)
- **Change to the dial**
 - serial number; (identification V50)
 - specific dial; (identification V51)
 - red mark; (identification V52)
 - writings; (identification V53)
 - TAG number; (identification V54)



- dial without logo;
(identification V56)
- double logo (Fantinnelli + customer);
(identification V57)
- customer's logo.
(identification V58)
- **AISI 316 stainless steel case and ring**
as alternative to AISI 304 stainless steel.

(identification V61)

- **Metal tag plate**
AISI 316 stainless steel for tag number.
(identification V82)
- **Monel 400 pressure element assembly**
as alternative to AISI 316 stainless steel.
(identification W04)

DOCUMENTATION

- **Fantinnelli calibration certificate class 1,6**
rising pressure.
(identification V93)
- **Complementary documents**
 - o certificate of compliance with the order EN 10204-2.2.

- o technical documentation including:
 - drawings and technical informations;
 - installation and maintenance instructions.
- o inspection and test certificate EN 10204-3.1.
- o material certificates.
- o PED declaration.
- o ATEX declaration (II 2 G/D).

TECHNICAL INFORMATION

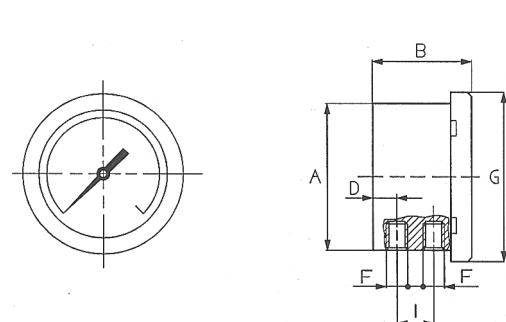


Table DP 358-A

DN	A	B	C	D	E	F	G	H	I	L	M	N	Ø fori 120°	PESO ~ kg es. D es. F
100	103	64		14		1/4	118		23					0,55 1,05

Execution A

Pressure gauge for direct mounting.

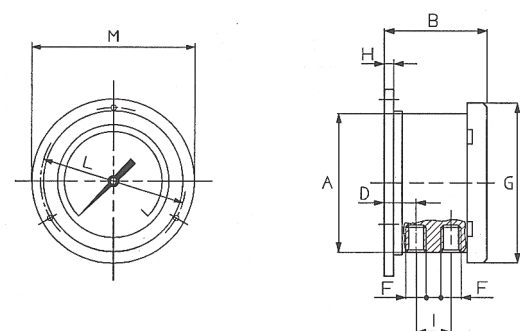


Table DP 358-B

DN	A	B	C	D	E	F	G	H	I	L	M	N	Ø fori 120°	PESO ~ kg es. D es. F
100	103	70		20		1/4	118	7	23	126	140		5	0,64 1,14

Execution B

Pressure gauge for surface mounting with 3 fixing holes.

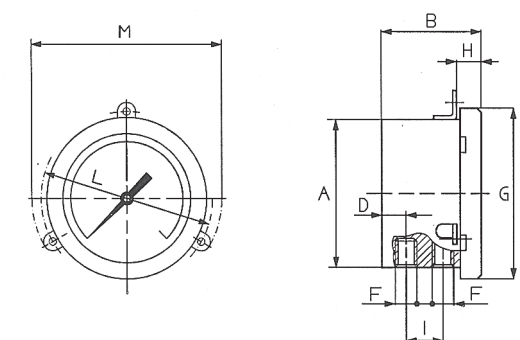


Table DP 358-C

DN	A	B	C	D	E	F	G	H	I	L	M	N	Ø fori 120°	PESO ~ kg es. D es. F
100	103	64		14		1/4	118	16	23	130	142,5		M5	0,57 1,07

Execution C

Pressure gauge for back panel flush mounting with pegs.

note: informations shown in this series may be changed at any time without prior notice.