

DIFFERENTIAL PRESSURE GAUGES

Selection guide

parameter		differential pressure gauge type					
		PBD	PCD	PDD	PMD	PSD	POD
operating principle		2x bourdon tube	capsule	1x diaphragm	1x diaphragm	2x bellows	2x diaphragm
range (span)	min.	0.6 bar	25 mbar case 100 6 mbar case 160	0.6 bar	250 mbar 25 mbar for type low	100 mbar	1 bar 100 mbar for type low
	max.	16 bar	400 mbar	16 bar	25 bar	6 bar	25 bar
static pressure	max.	2.5 ... 4 x range	1.5 bar case 100mm 1 bar case 160mm	20 bar	100 bar 25 bar for type low	10 x range	100 bar optional 250 bar
overload safe	max.	no	no optional max. 2 bar	4 x range 2.4 ... 20 bar	no no	upto static press. upto static press.	100 bar optional 250 bar
case diameter	mm	100; 160	100; 160	100; 160	100; 160		100; 160
contact device		yes	no	no	yes	no	yes
	min.	1.6 bar			1,6 bar 100 mbar for type low		1.6 bar
chemical seals <small>see catalogue page 37</small>		yes, wide range	no	yes	yes	no	yes
wetted parts		AISI316L/1.4435 AISI316Ti/1.4571 fully welded system	for clean air and dry gasses only stainless steel nickel coated brass; macrolon	AISI316L/1.4435 diaphragm duratherm Viton; PTFE	AISI316L/1.4435 diaphragm duratherm Viton; PTFE	AISI316L/1.4435 fully welded system	DP cell; AISI316L/1.4435 diaphragm duratherm Viton; PTFE
catalogue page		36-1	36-2	36-3	36-4	36-5	36-6
operating principle <small>see also catalogue</small>							