

**General**

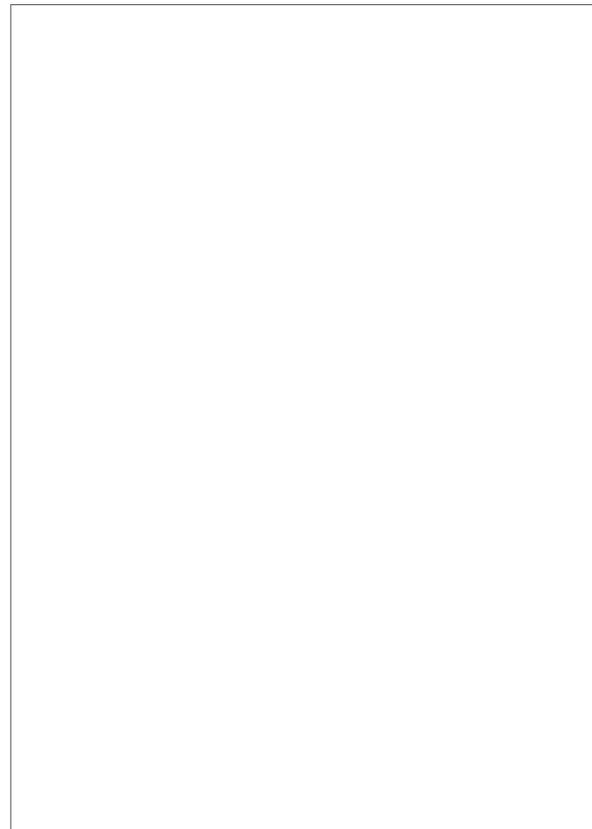
The chlorine supply and pressure must be monitored constantly in chlorination. The tanks filled with liquid chlorine are under saturated steam pressure depending on the prevailing temperature. A pressure of 5.8 bar prevails at 20 °C, increasing to 10.5 bar at 40 °C. Chlorine tanks in chlorination systems, particularly in industrial applications, could be exposed to impermissibly high temperatures. It is therefore advisable to monitor the cylinder pressure so that the heating can be switched off in time and the temperature reduced.

Contact pressure gauges are frequently used to control electrical chlorine changeover valves. When the minimum pressure is reached in the cylinder, the contact pressure gauge generates a pulse actuating the changeover valve. Refer to data sheet MB 2 24 01.

The pressure gauge is available with a single magnetic spring contact which can be used both as a minimum-level closing contact (contact makes as the pressure drops) and as a maximum-level break contact (contact opens as the pressure rises).

**Versions**

Contact pressure gauges are available both as individual units and as assemblies with adapter for wall brackets and a T-piece for direct mounting within the chlorine piping. T-pieces are provided for connection with copper pipes in diameters of 8 and 12 mm (in keeping with the standard for chlorinators).


**Technical data**

Contact pressure gauge to DIN standard

Diameter:	100 mm
Measuring element:	Leaf spring with protective silver foil
Slip-over ring:	Steel, coated black
Contact:	Magnetic spring contact, closes with decreasing pressure
Connection:	1m cable
Pressure connection:	G 1/2 screw journal at bottom

Permissible switching voltage (V)		380	220	110	50
Maximum switching current (mA)	ohmic load	80	135	270	500
	inductive load	45	65	130	200

**Selection table**

Circuit diagram	Contact function as pressure		Measuring range [bar]	Part No. for contact pressure gauge		
	drops	rises		without wall mount	with wall mount	
				Connection for		
	G 1/2 Fig. A	pipe ø 8		pipe ø 12	Fig. B	
	close	-	16	24087342	24029395	24032893
	-	open				

**Dimensions**

Fig. A

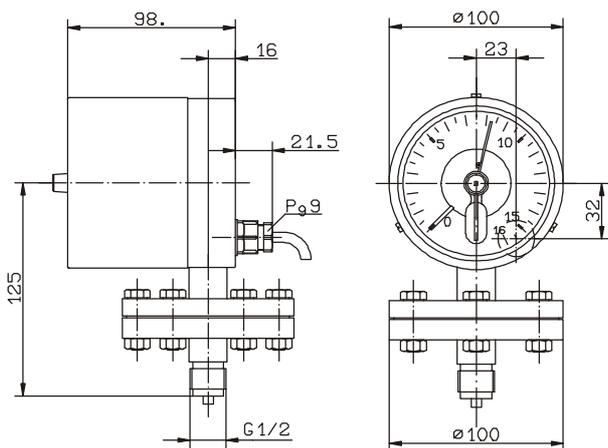
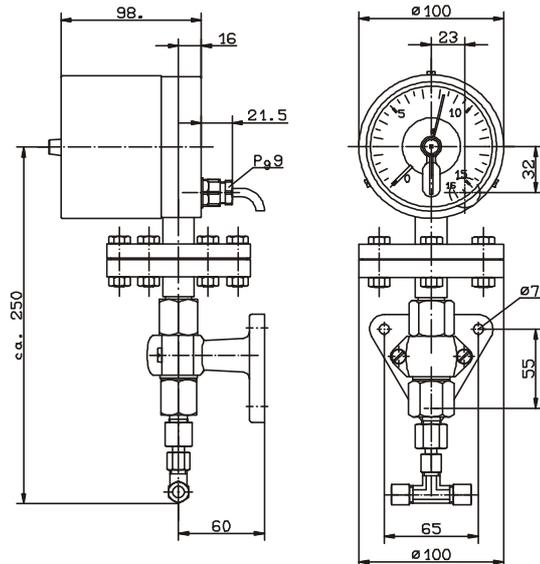


Fig. B



olive union diameter either 8 or 12 mm

**Contact Pressure Gauge for Chlorine Gas**