

BENCOR (Pty) Ltd.

Hydraulic accessories



Pressure switches type DG

Electr.-hydraulic pressure switches are devices which when set under pressure close or open electrical contacts. They are widely used in applications in which it is intended that, once a pre-set pressure is achieved and exceeded, an electrical switching command or signal should be released for further working cycles.

Many different versions (with pressure setting on a dial, with main and secondary switch, screw-on pressure switches) enable their use in many applications.

There is a design related difference of 8 ... 20 % between the upper switching point (set pressure, pressure rise causes signal) and the lower switching point (set pressure, pressure drops and the contact opens). This difference depends on the respective max. pressure rating for the device.



Nomenclature:	Spring loaded pressure switch (piston type)
Design:	Manifold mounting version Screw-in version Version for pipe connection
P_{max}:	4 ... 700 bar

Basic types and general parameters

Basic type and size	Brief description	Adjustable pressure P _{max} (bar) ¹⁾	Connection thread	Symbol
DG 1R	Adjustment via turn-knob at the dial	20 ... 600	G 1/2 or G 1/4A	
DG 8	Version with two pressure switches Main switch: Adjustment via turn-knob at the dial Secondary switch: Adjustment via set screw	20 ... 600 and 20 ... 180	G 1/2 or G 1/4A	
DG 33		200 ... 700		
DG 34	Compact design for manifold mounting	100 ... 350	G 1/4 or G 1/4A ²⁾	
DG 35		20 ... 210		
DG 365	Adjustment via set screw	12 ... 130		
DG 36		4 ... 12		

¹⁾ The max. operation pressure of 600 or 700 bar is not influenced by the max. set pressure
²⁾ for versions with adapter only