

Dynamic pressure switches

Controlling devices with
pressure operated
diaphragm pressure switch,
for signalling or regulation
of liquid levels



Jola Spezi schalter GmbH & Co. KG
Klostergartenstr. 11 • 67466 Lambrecht (Germany)
Tel. +49 6325 188-01 • Fax +49 6325 6396
contact@jola-info.de • www.jola-info.de



SDS/PP and SDS/PVDF/S dynamic pressure switches

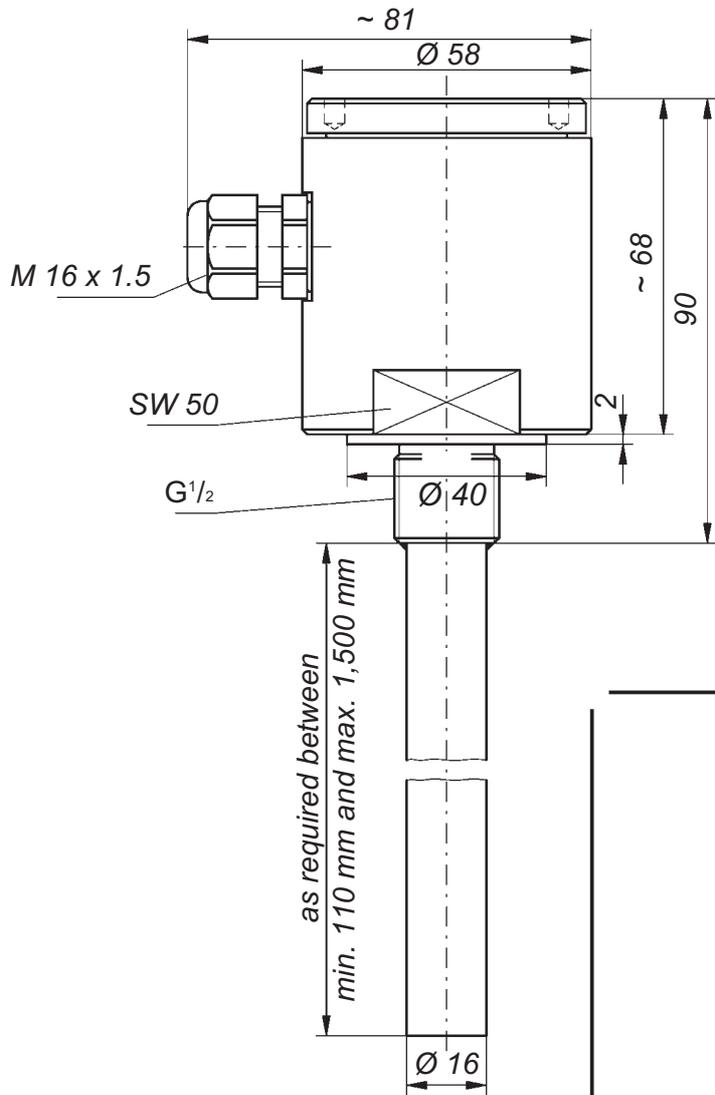
for signalling or regulation of levels
of non aggressive liquids
in open or pressure-free tanks

These dynamic pressure switches are suitable for the indication of the maximum level or the switching of pumps or solenoid valves.

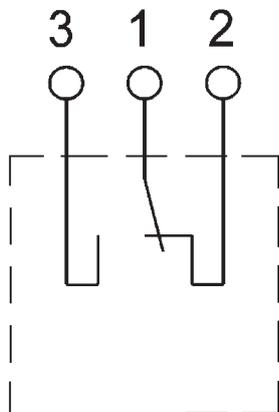
The connection head contains a diaphragm pressure switch with changeover contact. Switching is effected by the air pressure rising in the air tube as the liquid level rises. After a fall in pressure of approx. 45 mm water column with the type SDS/PP or approx. 50 mm water column with the type SDS/PVDF/S the contact is broken again. Higher level differences can be controlled by using several SDS.

In the course of time, air escapes through the diaphragm. For this reason the tube should be ventilated every 6 - 8 weeks in order to prevent malfunctions.

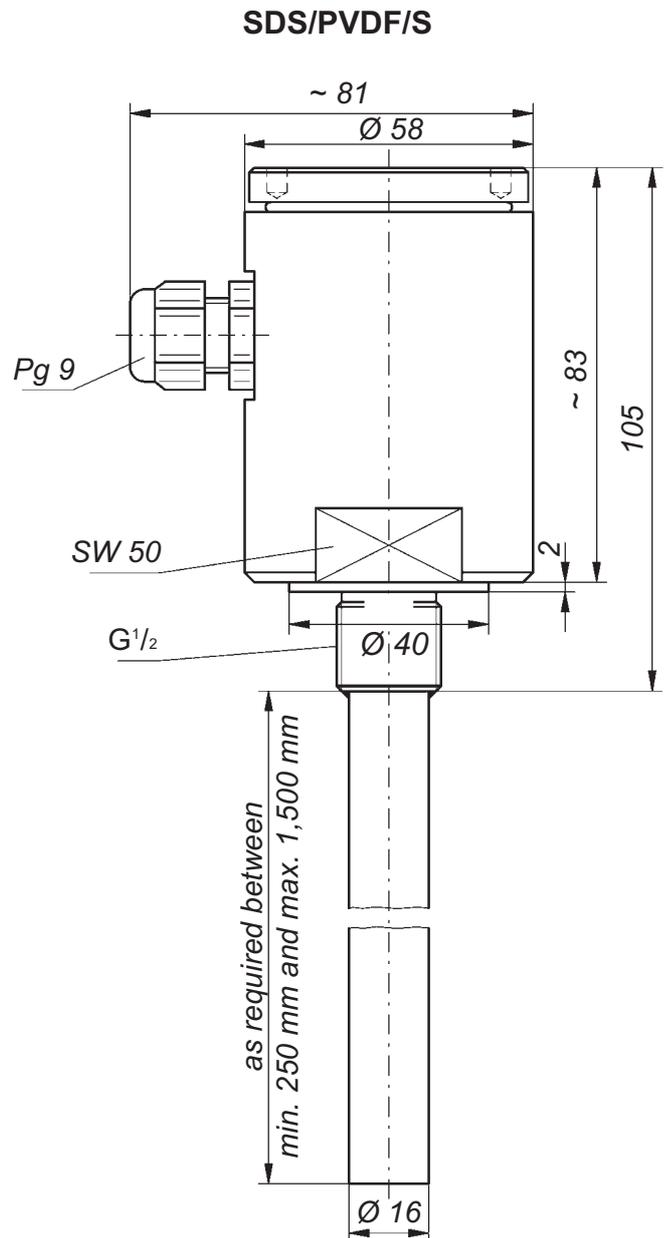
Technical data	SDS/PP	SDS/PVDF/S
Pressure tube	PP, 16 mm Ø	PVDF, 16 mm Ø
Pressure tube length	110 to 1,500 mm, as requested	250 to 1,500 mm, as requested
Diaphragm material	Perbunan	EPDM
Pressure resistance of the diaphragm	max. 0.5 bar (5 m water column)	max. 0.5 bar (5 m water column)
Screw-in nipple	PP, G ^{1/2}	PVDF, G ^{1/2}
Connection head	PP, 62 mm Ø x 70 mm, protection class IP42	PVDF, 62 mm Ø x 85 mm, protection class IP42
Cable entry	M 16 x 1.5	Pg 9
Mounting orientation	vertical	
Temperature range	+ 1°C to + 70°C	+ 1°C to + 85°C
Pressure resistance	for use in open or pressure-free tanks only, use only under atmospheric conditions	
Contact	diaphragm pressure switch, changeover contact	
Switching voltage	max. AC 250 V	
Switching current	max. AC 4 A	
Switching capacity	max. 500 VA	
Cut-in switching point	approx. 85 mm (measured from lower end of pressure tube)	adjustable between 50 and 200 mm
Cut-out switching point	approx. 40 mm (measured from lower end of pressure tube)	hysteresis approx. 50 mm between cut-in and cut-out switching point



SDS/PP



Contact position with empty tank



SDS/PVDF/S



SDS/PP



SDS/PVDF/S

The units described in this documentation may only be installed, connected and started up by suitably qualified personnel!

Subject to deviations from the diagrams and technical data.

The details in this brochure are product specification descriptions and do not constitute assured properties in the legal sense.