



Area of Application:

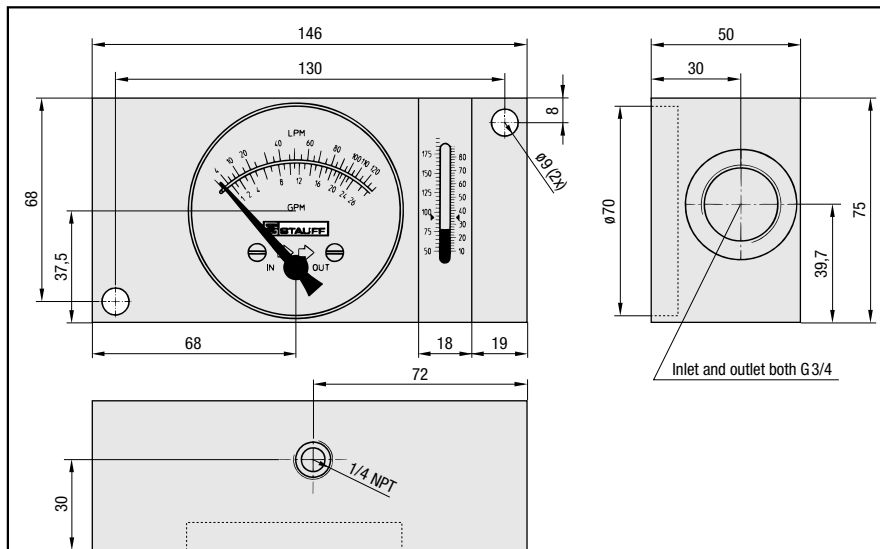
Flow, pressure and temperature measuring of fluids (mobile and industrial hydraulics)

Characteristics:

- suitable for mineral oil (aluminium), HFC fluids and water (bronze)
- designed for in-line installation
- mechanical process (off the line)
- with 1/4 NPT connection for pressure gauge adaption

SDM indicator offer a simultaneous measurement of pressure, flow and temperature (dual scale in °C and °F).

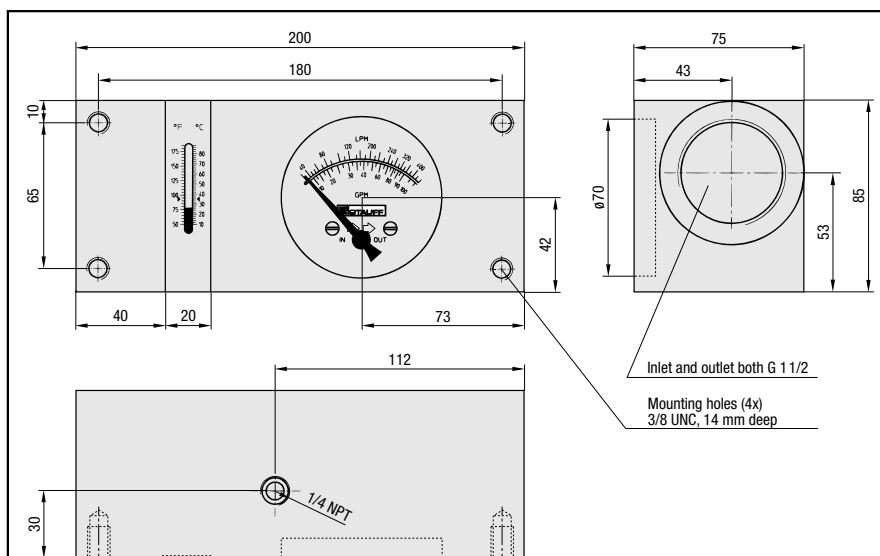
Dimensions SDM-750



Technical Data

Accuracy:
 Flow: ± 4% FSD
 Temperature: ± 2°C
 Temperature measuring range: 10°C ... 80°C

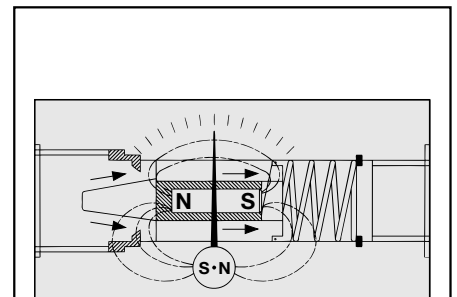
Dimensions SDM-1500



Technical Data

Accuracy:
 Flow: ± 4% FSD
 Temperature: ± 2°C
 Temperature measuring range: 10°C ... 80°C

Functional principal

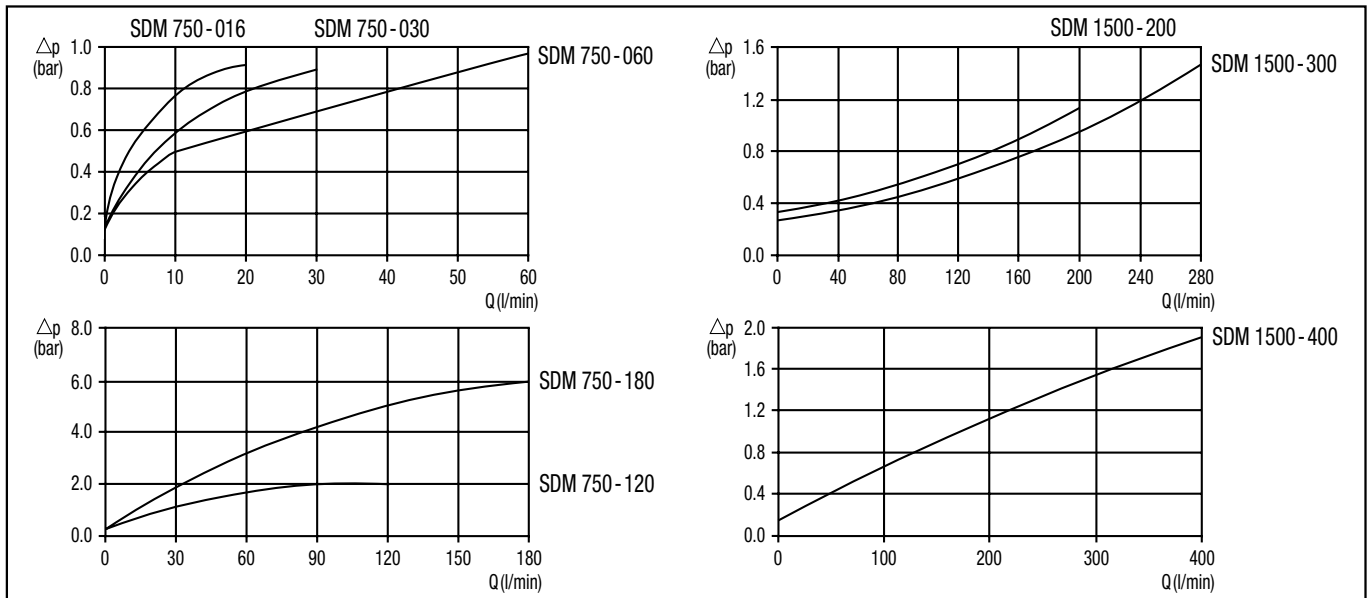


The flow indicator SDM has a sharp-edged orifice and a tapered metering piston, which moves in proportion to changes of flow against a spring. In no flow condition the piston closes the opening and the pointer indicates zero. With increasing flow and differential pressure the piston moves against the calibrated spring. The piston movement is directly proportional to the flow rate and is magnetically coupled to the rotary pointer. During this function the sharp-edged orifice minimises the effects of viscosity. The flow is shown on a calibrated scale in l/min and gal/min.

Technical Data

Part Number	max Working press.	Flow range	Weight	Connection	Dimensions (mm)
SDM-750-A-016-T	420 bar	1 – 16 l/min	1,360 kg	G 3/4	146 x 75 x 50
SDM-750-A-030-T	420 bar	2 – 30 l/min	1,360 kg	G 3/4	146 x 75 x 50
SDM-750-A-060-T	420 bar	3 – 60 l/min	1,360 kg	G 3/4	146 x 75 x 50
SDM-750-A-120-T	420 bar	5 – 120 l/min	1,360 kg	G 3/4	146 x 75 x 50
SDM-750-A-180-T	420 bar	10 – 180 l/min	1,360 kg	G 3/4	146 x 75 x 50
SDM-750-B-030-T	420 bar	2 – 35 l/min	4,250 kg	G 3/4	146 x 75 x 50
SDM-750-B-060-T	420 bar	3 – 70 l/min	4,250 kg	G 3/4	146 x 75 x 50
SDM-750-B-120-T	420 bar	5 – 140 l/min	4,250 kg	G 3/4	146 x 75 x 50
SDM-1500-A-200-T	280 bar	10 – 200 l/min	3,000 kg	G 1 1/2	200 x 85 x 75
SDM-1500-A-300-T	280 bar	20 – 300 l/min	3,000 kg	G 1 1/2	200 x 85 x 75
SDM-1500-A-400-T	280 bar	30 – 400 l/min	3,000 kg	G 1 1/2	200 x 85 x 75
SDM-1500-B-200-T	280 bar	10 – 200 l/min	8,000 kg	G 1 1/2	200 x 85 x 75
SDM-1500-B-400-T	280 bar	30 – 400 l/min	8,000 kg	G 1 1/2	200 x 85 x 75

Flow Curves



Ordering Code

