





Kirchner Orifice DP Flow Meter

DP Orifice Plate Flowmeters from Kirchner Germany are manufactured with a wide variety of nominal widths for water, air, transparent and non-transparent liquids and gases and non-conductive fluids (mineral oils, demineralised water).

- Simple operation, no moving parts, wear-free
- Horizontal and vertical installation - between flanges - int. or ext. threads - pipe union
- Pipe size from DN 40 to DN 200
- Flow range:
air 0.5 - 4000 m³/h, water 0.05 - 735 m³/h
- Differential Pressure:
air: 5 - 1000 mbar, water: 100 - 1000 mbar
- Accuracy 2,5% of full-scale range
- Calibration acc. to customer specification

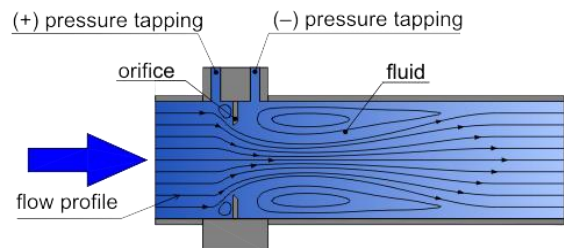
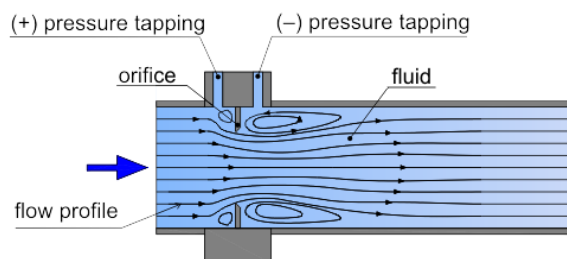


Models

DDM Orifice Plate	DDM DS-11 Diff. Pressure Gauge	DDM EM – Dig. LED Display	DDM DS-31 - Microswitch
			
can be connected to DP Transmitter	opt. with 2 Microswitches	display in m ³ /h 4–20 mA, 0–10 V output	high overload withstand capability

The sprinkler orifice plate SMB series is installed in stationary sprinkler systems and has been approved by the VdS damage prevention.

Working Principle



A differential pressure arises at a pipe constriction, which is proportional to the square of the flow rate through the pipe. The resulting differential pressure can be recorded with a meter and can be directly indicated as flow rate on a scale.