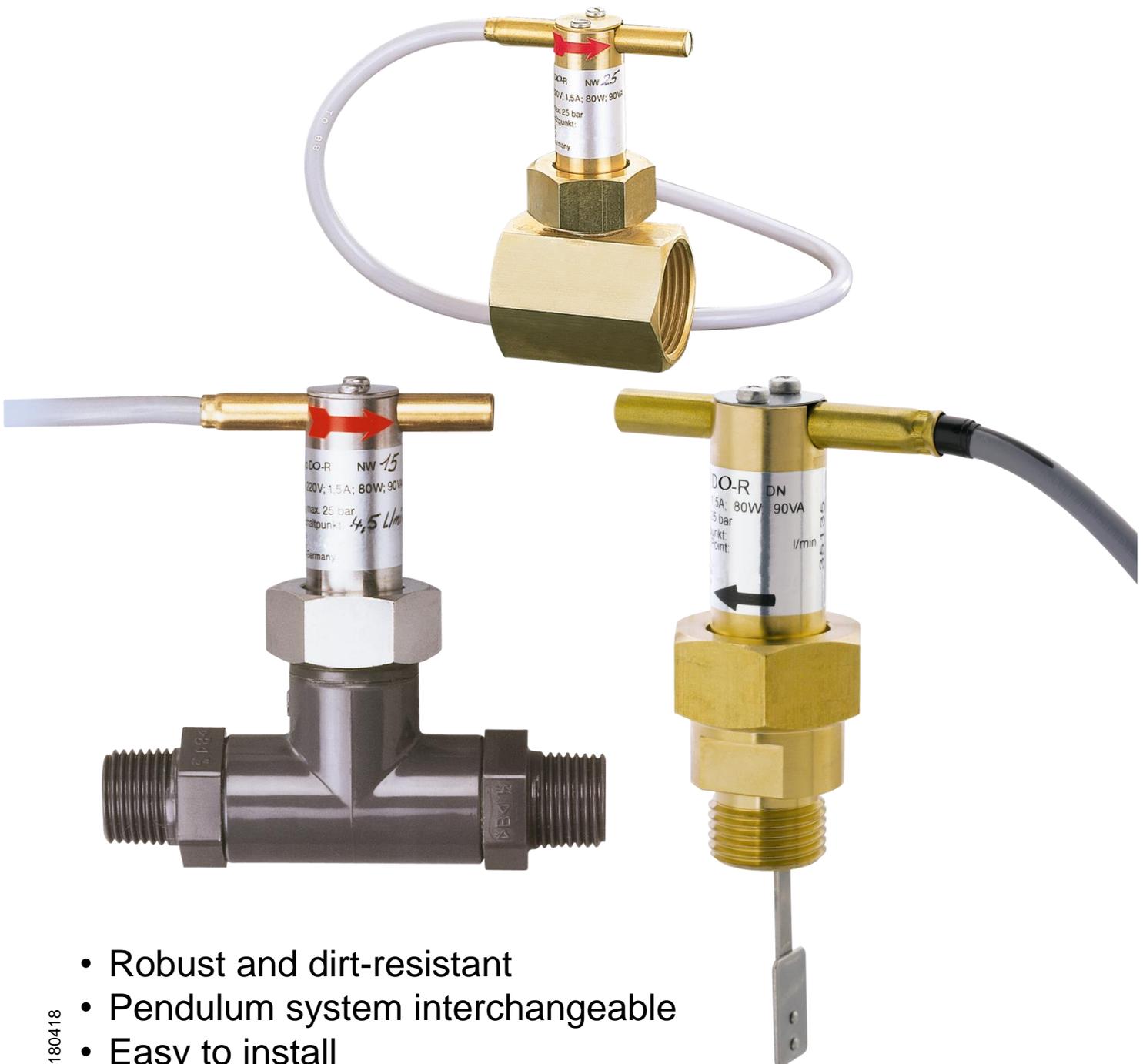




Paddle-bellows Flow Monitor DO-R

Flow monitor working according to the baffle plate principle for liquids



- Robust and dirt-resistant
- Pendulum system interchangeable
- Easy to install
- Pendulum system in stainless steel
- Low pressure loss

D-EN-DW-R-20180418



Paddle-bellows Flow Monitor DO-R

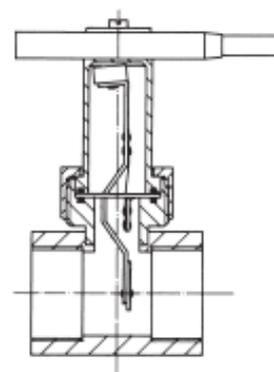
Flow monitor working according to the baffle plate principle for liquids

Description of DW-R types

The DW-R devices are of simple robust construction, are reliable and inexpensive for monitoring liquid flows in pipelines. These devices are largely insensitive to fluids with high particle load (contaminated media) and calcification (except magnetic particles).

Description of operation

Type DW-R flow switches operate according to the very reliable back pressure principle. The flow pushes against a circular baffle plate, which is attached at one end of a pendulum. The pendulum system, regulated by a frictionless and swivel-mounted leaf spring, is thus deflected. A permanent magnet attached to the other end of the pendulum then operates a moveable reed switch (protective gas contact). The switching unit is located outside of the flow medium.



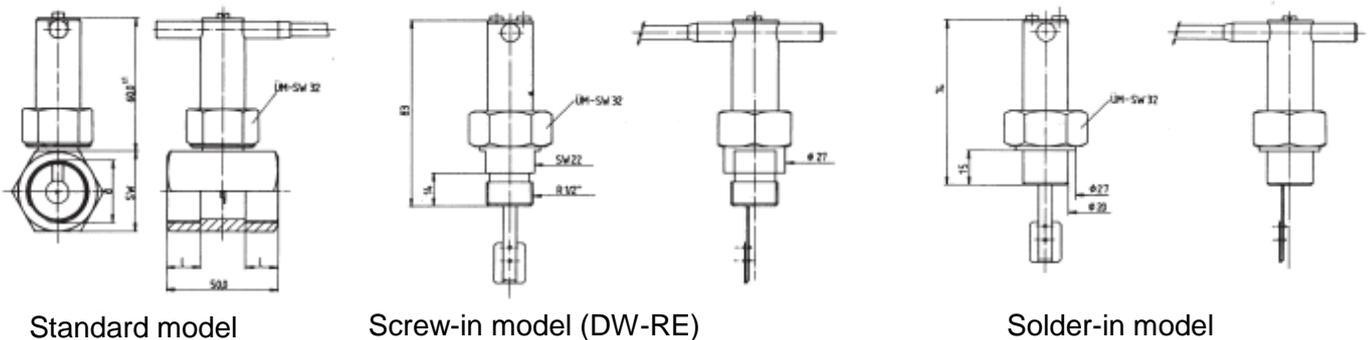
Range of flow rate l/min							
Type	DN	R"	ON	OFF	Q max.	PN bar	T max. °C
DW-R-10	10	3/8"	2,7 – 4,5	1,7 – 3,5	40	25	110
DW-R-15	15	1/2"	4,5 – 6,5	3,0 – 5,5	45	25	110
DW-R-20	20	3/4"	8,5 – 12,0	6,5 – 11,0	80	25	110
DW-R-25	25	1"	13,0 – 20,0	11,0 – 19,0	130	25	110
DW-R-32	32	1 1/4"	17,0 – 26,0	15,0 – 25,0	160	25	110
DW-R-40	40	1 1/2"	28,0 – 45,0	27,0 – 43,0	300	25	110
DW-R-50	50	2"	45,0 – 58,0	43,0 – 56,0	500	25	110
DW-R-10	50	2"	44,0 – 65,0	40,0 – 60,0	500	25	110
DW-R-E	65	2 1/2"	78,0 – 115,0	70,0 – 105,0	750	25	110
DW-R-E	80	3"	120,0 – 175,0	110,0 – 165,0	1400	25	110
DW-R-E	100	4"	190,0 – 285,0	175,0 – 265,0	2500	25	110
DW-R-E	125	5"	310,0 – 450,0	280,0 – 420,0	2900	25	110
DW-R-E	150	6"	440,0 – 655,0	410,0 – 600,0	3300	25	110

If there is a need for other switch ranges or switch points, please contact us.



Paddle-bellows Flow Monitor DO-R

Flow monitor working according to the baffle plate principle for liquids



Standard model

Screw-in model (DW-RE)

Solder-in model

Dimensions			
d Internal thread	NW Nominal width	1 mm	SW mm
3/8"	10	11	30
1/2"	15	11	30
3/4"	20	11	30
1"	25	15	37
1 1/4"	32	15	46
1 1/2"	40	15	52
2"	50	15	70

Power supply 250 V, 1,5 A, 80 W, 90 VA

Materials
I. Brass
II. Brass nickel- or chrome-plated
III. Stainless steel
IV: Stainless steel / PVC

Inquiry and order recommendations

For smooth processing of inquiries or orders, we need to know following details:

1. Electrical connection or execution
2. Material design
3. Switching point (decreasing or rising) if required

Important instructions!

Technical changes and errors reserved.

Pictures can be similar.

The operating instructions belonging to this device must be observed! Download at www.schmidt-messtechnik.com.