

**GENERAL CHARACTERISTICS**

Mechanical Flow Switch for liquids or gaseous media, with contactless triggering of an adjustable reed switch. Rugged design in full PVC.

Flange DN 15- 80 PVC

- \* good repeatability
- \* dirt-resistant
- \* exact setting of switch via scale



PD-020FH020

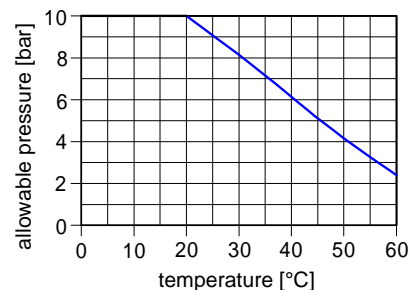
**TECHNICAL DATA**

	DN	Type	PN bar (20°C)	Qmax. rec. l/min H <sub>2</sub> O		adjustable range l/min H <sub>2</sub> O		H mm	L mm	D mm	D2 mm	k mm	d mm	weight kg
PVC	15	PD-015FH...	10	20	30	2 - 8	4 - 20	170	130	95	34	65	4xØ14	0.9
	20	PD-020FH...	10	40	60	4 - 20	10 - 40	174	150	105	41	75	4xØ14	1.1
	25	PD-025FH...	10	60	90	10 - 40	20 - 60	186	160	115	50	85	4xØ14	1.3
	32	PD-032FH...	10	100	130	20 - 60	30 - 100	196	180	140	61	100	4xØ18	1.6
	40	PD-040FH...	10	150	180	30 - 100	50 - 150	194	200	150	73	110	4xØ18	2.0
	50	PD-050FH...	10		250	50 - 150	100 - 200	194	230	165	90	125	4xØ18	2.6
	65	PD-065FH...	10		400	100 - 200	150 - 330	240	290	185	106	145	4xØ18	3.6
	80	PD-080FH...	10		600	150 - 300	330 - 500	240	310	200	125	160	8xØ18	4.8

Adjustable range is indicated for horizontally decreasing flow.

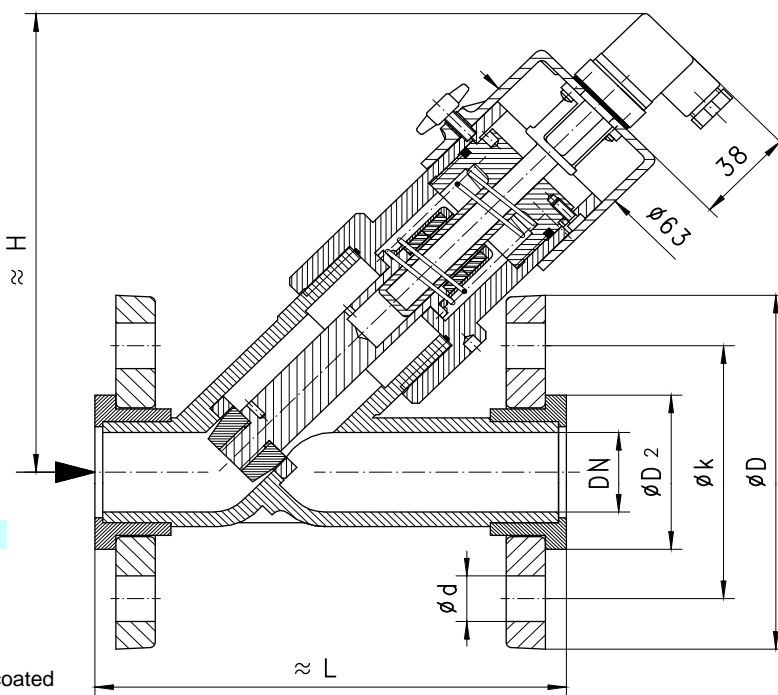
tolerance ±5% of full scale  
 media temperature max. 60°C  
 average pressure loss 0.5 bars at Qmax.  
 hysteresis depending on switch value  
 minimum 1 l/min.

Compressive load



**MATERIALS**

housing PVC  
 flange PVC  
 piston PVC  
 spring stainless steel 1.4310 Delta Tone/Sial coated  
 body PVC  
 seal viton  
 cap ABS



sealing surface up to DN15 - DN50 flat  
 from DN65 - DN80 grooved

**ELECTRICAL DATA**

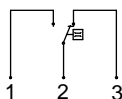
reed switch - wiring 0.213 change over

250 V AC 1.5 A 50 VA

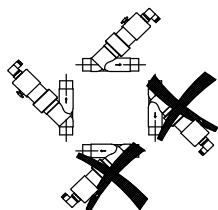
plug DIN 43650-A

protection class 2

protection class IP 44



**MOUNTING POSITION**



Installation position may influence switch value.

**METERING SUBSTANCES**



water



gas/air



oil

**NOMENCLATURE**

For combination see table "technical data"

PD-	015	T	H	008	basic type specification	
	015				●	nominal diameter DN 15
	020				●	DN 20
	025				●	DN 25
	032				●	DN 32
	040				●	DN 40
	050				●	DN 50
	065				●	DN 65
	080				●	DN 80
		F			○	flange
			H		●	PVC design
				008	●	adjustable range H <sub>2</sub> O horizontal 2 - 8 l/min
				020	●	4 - 20 l/min
				040	●	10 - 40 l/min
				060	●	20 - 60 l/min
				100	●	30 - 100 l/min
				150	●	50 - 150 l/min
				200	●	100 - 200 l/min
				300	●	150 - 300 l/min
				330	●	150 - 330 l/min
				500	●	330 - 500 l/min
Programme option					○	signal lamp
BASIC						protection class IP 65
Special option					□	setting / adjustable ranges for oil or gas
VARIO						selected hysteresis
						rhodium contact

**IMPORTANT FOR YOUR ORDER**

- Please indicate flow direction, metering substance and adjustable range with your order.
- With viscous liquids please indicate viscosity, temperature and metering substance (adjustable range on request)
- With gaseous media indicate pressure (relative or absolute), temperature and metering substance (adjustable range on request)

All technical changes reserved

●BASIC Standard ○BASIC Programme option □VARIO Special option ⊕ PLUS Accessories

~~X~~ not recommendable