BOURDON HAENNI
made to measure

instruments for industry

Pipe Separator Series 1530
Connection A DIN 11887

Application
Mounting to Bourdon tube pressure gauges or to pressure transmitters for indirect pressure measurement, specially designed to be connected to fittings used in the food industry. This connection system is also used in other industries.

Execution
The pipe separator is inseparably fixed with the pressure measuring instrument to a hydraulic measuring unit, either directly, via a cooling element or via a capillary tube of stainless steel.

Type of construction
Pipe separator with internal moulded diaphragm, manufactured by the patented HAENNI procedure. All parts in stainless steel, welded.

Connection
"A" with thread socket DIN 11887. For pipes or other fittings mounted to the separator, a cone socket should be used, which is to be fixed to the round thread of the pipe separator by a union nut F DIN 11851 and a gasket G DIN 11851.

Temperature of medium
Up to 80°C (1/2 h up to 140°C), other temperature limits (up to 300°C) on request.

Hydraulic transmission fluid
Glycerine (standard), others on request.

Selection chart

Type	Material [1] of Separator body	Material [1] of Separation element (tube diaphragm)	Material [1] of Connecting muff (not in contact with the medium)	DN [1]	Ordering code
Pipe separator	stainless steel 1.4571	stainless steel 1.4435	stainless steel 1.4301	15	1531
		stainless steel 1.4571	stainless steel 1.4435	25	1532
		stainless steel 1.4571	stainless steel 1.4435	32	1537
		stainless steel 1.4571	stainless steel 1.4435	40	1534
		stainless steel 1.4404 / 1.4435	stainless steel 1.4435	50	1533
		stainless steel 1.4571	stainless steel 1.4435	65	1536
		stainless steel 1.4571	stainless steel 1.4435	80	1535
		stainless steel 1.4571	stainless steel 1.4435	100	1539

Capillary tube 1.4571								
	Length [m]	0.5	1	1.5	2	2.5	3	3.5
	Ordering code	1205	1210	1215	1220	1225	1230	1235

Additional metallic protection hose for capillary tube	1299
Temperature of medium (e.g. 100°C)	9007/0100

Ordering example: DRO 100/411.133/075 / 1533 / 1215 / 1299 / 9007/0100

- 9007/0100 — Temperature of medium 100°C
- 1299 — Metallic protection hose
- 1215 — Capillary tube 1.5 m
- 1533 — Separator ordering code
- DRO 100/411.133/075 — Pressure gauge (see data-sheet D1.128)

[1] Other materials and diameters on request

Construction and Function
The separator body is produced from one piece. This construction guarantees absolute safety, even at higher pressures in the pipe system. Additionally acting forces and bending moments are mastered as far as permitted by the fittings used on site (union nut and pipe with cone socket and gasket). The tubular diaphragm, longitudinal in flow direction, is welded at both ends to the separator body and has a square-, hexagonal- or octangular profile (depending on DN).
The pipe separator transmits the pressure of fluids flowing in pipes. Dead-zone-free transitions to the connection fittings and the optimal-flow design prevent the formation of deposits and make inline-sterilization possible without dismounting the separator from the pipe system. The separator shape does not cause considerable cross-section reduction.

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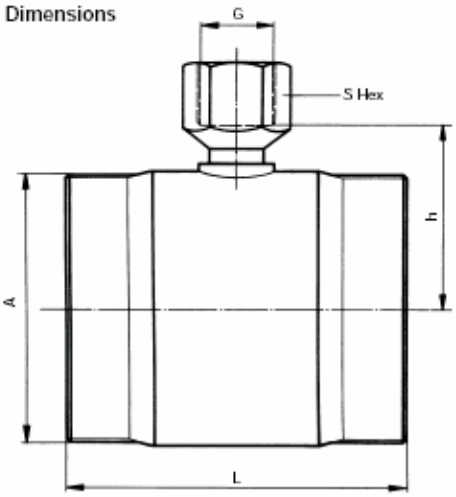
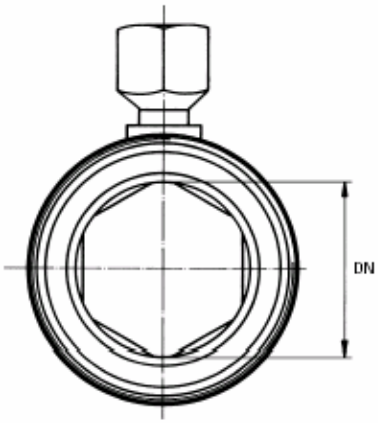
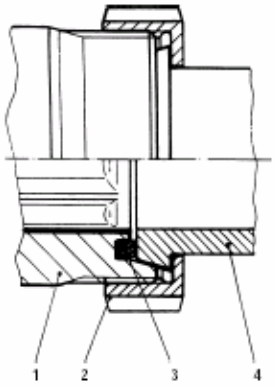
Connection A DIN 11887

Dimensions





Connection example



1 Separator body

2 Union nut F DIN 11851 [1]

3 Gasket G DIN 11851 [1]

4 Pipe with cone socket fitting [1]

Dimension chart

DN	A	L [mm]	h [mm]	G	S [mm]	Weight kg	Inner shape
15	Rd 34 x 1/8	130	28	G 1/4	17	0.8	4-sided
25	Rd 52 x 1/6	130	39	G 1/2	27	1.7	6-sided
32	Rd 58 x 1/6	130	41	G 1/2	27	2.0	6-sided
40	Rd 65 x 1/6	120	51	G 1/2	27	2.2	6-sided
50	Rd 78 x 1/6	100	51	G 1/2	27	2.3	6-sided
65	Rd 95 x 1/6	100	60	G 1/2	27	3.0	8-sided
80	Rd 110 x 1/4	100	68	G 1/2	27	3.4	8-sided
100	Rd 130 x 1/4	100	78	G 1/2	27	4.0	8-sided

Pressure ranges (directive values)

Mounting to pressure gauge or pressure transmitter		NS 63	NS 80	NS 100	NS 160	ED 518
Pressure ranges [bar] with nominal size DN	15	1.6...40	1.6...40	2.5...40	–	[3]
	25	[2]	1.6...40	2.5...40	–	
	32	[2]	1.6...40	2.5...40	–	
	40	[2]	1.6...40	2.5...40	4...40	
	50	–	1.6...40	1.6...40	1.6...40	
	65	–	–	1.6...40	1.6...40	
	80	–	–	1.6...40	1.6...40	
	100	–	–	1.6...40	1.6...40	

[1] Not included in delivery.
[2] Only possible with transition piece with G 1/4 inside / G 1/2 outside.
[3] On request: Electronic pressure transmitters can be used for pressure ≥ 250 mbar without impairing the accuracy. Please fill in page DT 201 so that we can properly assess your needs.

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