



Pipe Separator Series 1660 Sandwich Version with Groove acc. to DIN 2512

Application	Mounting to Bourdon tube pressure gauges or pressure transmitters for indirect pressure measurement, to be inserted between DIN-flanges for steel pipes in the chemical and process industry.
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 part in stainless steel, welded.
Connection	Flanges with tongue acc. to DIN 2512 (gaskets up to 160 bar acc. to DIN 2691).
Temperature of medium	Up to 80°C (1/2 h up to 140°C), other temperature limits (up to 300°C) on request.
Special models	E-CTFE/PFA coated.
Hydraulic transmission fluid	Silicon oil (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⁾	PN	Ordering code
Pipe separator		stainless steel 1.4571	stainless steel 1.4571	stainless steel 1.4435				25	160	1663
			stainless steel 1.4404 / 1.4435					40	160	1665
			stainless steel 1.4404 / 1.4435					50	160	1666
			stainless steel 1.4571					65	160	1667
			stainless steel 1.4571					80	160	1668
			stainless steel 1.4571					100	160	1669
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: DRC 100/611.133/095 / 1666 / 3400 / 9007/0100										
<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> </div> <div style="text-align: left;"> <p>Temperature of medium 100°C</p> <p>Long execution (see reverse)</p> <p>Separator ordering code</p> <p>Pressure gauge (see data-sheet D1.137)</p> </div> </div>										

¹⁾ Other materials and diameters on request

Construction and Function

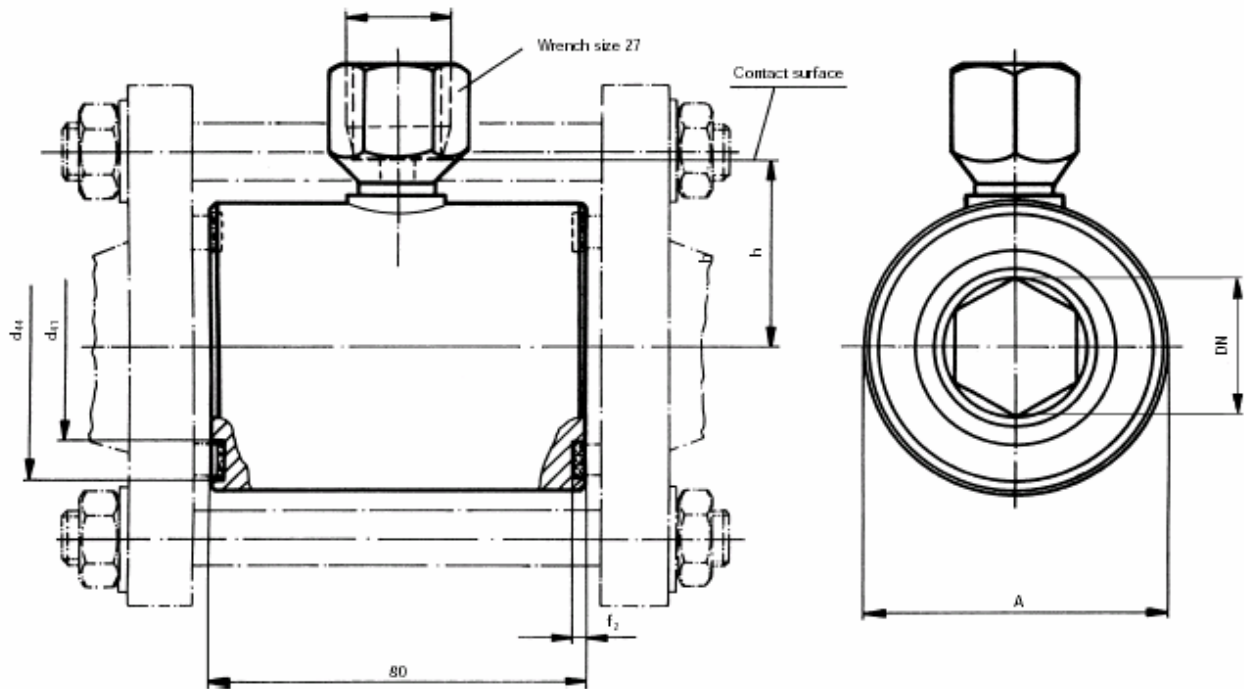
The separator body is produced from one piece. This construction guarantees absolute safety even at higher pressures in the pipe system. The maximum permitted pressure is limited by the flanges and gaskets mounted by the user on site. The tubular diaphragm, longitudinal in flow direction, is welded at both ends to the separator body and has a hexagonal or octagonal 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 cleaning possible without dismantling the separator from the pipe system. The interior shape does not cause considerable cross-section reduction.



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Dimensions



Dimension chart

DN	A [mm]	d _H [mm]	d _N [mm]	f ₂ [mm]	h [mm] standard	h [mm] long model (additional ordering code 0400 ²⁾)	Weight [kg] ¹⁾	Inner shape
25	63	42	58	2.5	42	82	1,7	6-sided
40	85	60	76	2.5	53	93	2,7	6-sided
50	95	72	88	2.5	58	98	3,5	6-sided
65	115	94	110	2.5	68	108	4,7	8-sided
80	130	105	121	2.5	75	115	5,4	8-sided
100	158	128	150	3	89	129	6,3	8-sided

Pressure ranges (directive values)

Mounting to pressure gauge or pressure transmitter		NS 100	NS 160	ED 518
Pressure ranges [bar] with nominal size DN	25	4...160	6...160	²⁾
	40	1.6...160	2.5...160	
	50	1.6...160	1.6...160	
	65	1.6...160	1.6...160	
	80	1.6...160	1.6...160	
	100	1.6...160	1.6...160	

¹⁾ For longer model additional 0,2 kg.

²⁾ On request: Electronic pressure transmitters can be used for pressures > 250 mbar without impairing the accuracy. Please fill in page D1 201 so that we can properly assess your needs.

³⁾ See data sheet D1 290.