



# Diaphragm Separator Series 1060 Union Nut Connection

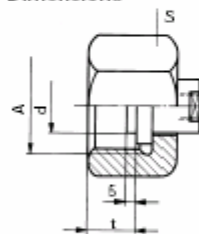
- Application** Mounting to Bourdon tube pressure gauges or to pressure transmitters for indirect pressure measurement of perishable, aggressive, highly viscous or crystallizing media, or media containing solid particles, which should not enter the measuring element. On the one hand to safeguard the measuring element, on the other hand to protect the media which are liable to decompose, because media lodging in the Bourdon tube will not be exchanged.
- Execution** The 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** Diaphragm separator.  
Separation element concentrically corrugated and welded to the body.
- Connection** Union Nut
- 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 of separator body	Material of separation element		Union nut				Thread	Ordering code direct mounting	Ordering code with capillary tube
Diaphragm separator	stainless steel 1.4571	stainless steel 1.4571		stainless steel 1.4301 electropolished				M45 x 2	1061	1062
	stainless steel 1.4571	stainless steel 1.4571						G 1	1063	1064
	stainless steel 1.4571	stainless steel 1.4571						G 1 1/4	1065	1066
Capillary tube 1.4571	Length [m]	0.5	1	1.5	2	2.5	3	3.5	4.0	
	Ordering code	1205	1210	1215	1220	1225	1230	1235	1240	
Additional metallic protection hose for capillary tube										1299
Temperature of medium [e.g. 100°C]										9007/0100
Ordering example: <b>DRC 100/511.133/125</b> / <b>1062</b> / <b>1210</b> / <b>1299</b> / <b>9007/0100</b>										

## Dimensions



## Dimension chart

A	d [mm]	t [mm]	S [mm]
M45 x 2	23.8	22	55
G 1	21.8	12	41
G 1 1/4	23.8	22	50

## Pressure ranges (directive values)

Mounting to pressure gauge or pressure transmitter		NS 63	NS 80	NS 100	NS 160	NS 96 <sup>1)</sup>	NS 160	ED 518
Pressure ranges [bar] with thread-connection	M45x2	on request	10...400	100...1000	100...1000	100...1000	100...1000	6...400
	G 1 <sup>2)</sup>		100...400	100...1000	100...1000	100...1000	100...1000	2.5...400
	G 1 1/4		10...400	100...1000	100...1000	100...1000	100...1000	1.6...400

<sup>1)</sup> Only for models with capillary tube.

<sup>2)</sup> For smaller pressure ranges see series 1510 (data-sheet D 1.226).