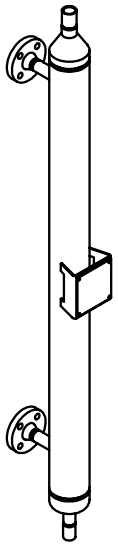
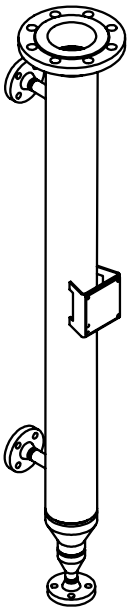


MF 2061



MF 2062

Measuring cylinder
MF

Description

The measuring cylinder MF is used to mount a level electrode on equipment, on which direct installation of the level electrode is either not possible or not expedient with regard to the process.

The equipment may only be used within the admissible pressure and temperature limits, with due consideration of chemical and corrosive influences.

Improper use also includes using equipment made of materials that are unsuitable for the fluid used.

Function

The measuring cylinder MF is connected to the boiler/vessel. The cylinder is used to mount a level electrode.

Material

- Welded sheet steel
- Welded stainless steel (1.4571)

Connections

- Flange PN, B1 (EN 1092-1)
- Sockets G

Pressure and temperature ratings

PN 40
Pressure: 28 bar
Temperature: 238°C

PN 63
Pressure: 51 bar
Temperature: 275°C

PN 160
Pressure: 75 bar
Temperature: 290°C

PN 160
Pressure: 100 bar
Temperature: 311°C

Dimensions and weights

Type MF 2061 S, ∅ D 88.9 [mm]

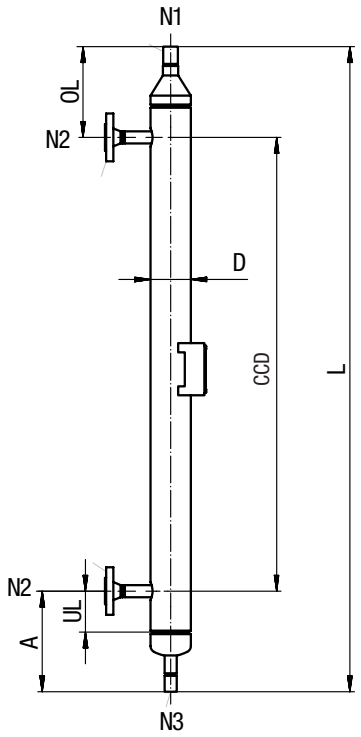
Dimensions [mm]

N1	N2	N3	CCD	[mm]				
				300	600	1000	1100	1800
G ¾	DN20, PN16/40	G ½	OL	200	200	200	200	200
			UL	90	90	90	130	130
			L	717	1017	1417	1557	2257
			A	217	217	217	257	257
G 1	DN20, PN16/40	G ½	OL	207	207	207	207	207
			UL	90	90	90	130	130
			L	724	1024	1424	1564	2264
			A	217	217	217	257	257
G 1 ½	DN20, PN16/40	G ½	OL	200	212	212		
			UL	90	90	90		
			L	729	1029	1429		
			A	222	217	217		
DN50, PN40	DN20, PN40	G ½	OL	209	209	209		
			UL	90	90	90		
			L	731	1031	1431		
			A	222	217	217		
DN50, PN40	DN20, PN40	DN20, PN40	OL	209	209	209		
			UL	90	90	90		
			L	730	1030	1430		
			A	220	221	221		
DN50, PN40	DN25, PN40	G ½	OL	209	209	209		
			UL	90	90	90		
			L	731	1031	1431		
			A	222	217	217		
DN50, PN40	DN25, PN40	DN25 PN40	OL	209	209	209		
			UL	90	90	90		
			L	732	1032	1432		
			A	221	223	223		

Weight approx. [mm]

N1	N2	N3	CCD 300	400 - 1000	CCD 1100	1200 - 1800
			[kg]			
G ¾	DN20, PN16/40	G ½	9.9	+ 1 kg per 100 mm CCD	19.5	+ 1 kg per 100 mm CCD
G 1	DN20, PN16/40	G ½	9.9	+ 1 kg per 100 mm CCD	19.6	+ 1 kg per 100 mm CCD
G 1 ½	DN20, PN16/40	G ½	10.2	+ 1 kg per 100 mm CCD	19.8	+ 1 kg per 100 mm CCD
DN50, PN40	DN20, PN40	G ½	12.7	+ 1 kg per 100 mm CCD	22.3	+ 1 kg per 100 mm CCD
DN50, PN40	DN20, PN40	DN20, PN40	13.6	+ 1 kg per 100 mm CCD	23.3	+ 1 kg per 100 mm CCD
DN50, PN40	DN25, PN40	G ½	13.2	+ 1 kg per 100 mm CCD	22.8	+ 1 kg per 100 mm CCD
DN50, PN40	DN25, PN40	DN25, PN40	14.3	+ 1 kg per 100 mm CCD	24	+ 1 kg per 100 mm CCD

CCD = Centre-to-centre distance



Dimensions and weights

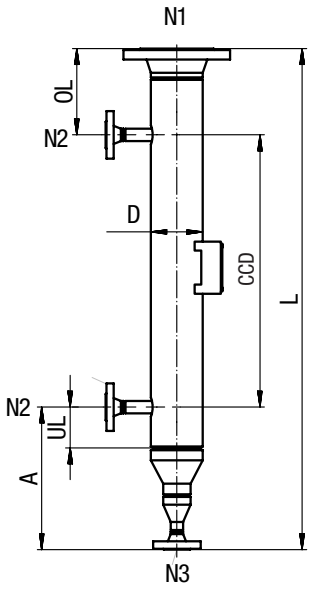
Type MF 2062 S, ∅ D 114 mm

Dimensions [mm]

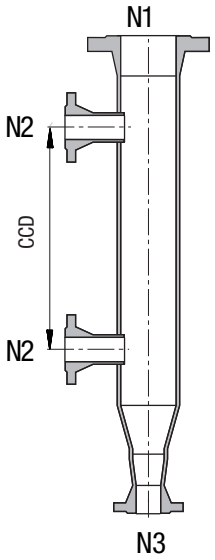
N1	N2	N3	CCD	[mm]			
				300	400	500	600
DN100, PN40	DN20, PN40	G ½	OL	190	190	190	190
			UL	90	90	90	90
			L	801	901	1001	1101
			A	311	311	311	311
DN100, PN40	DN20, PN40	DN20, PN40	OL	190	190	190	190
			UL	90	90	90	90
			L	804	904	1004	1104
			A	314	314	314	314
DN100, PN40	DN25, PN40	DN25, PN40	OL	190	190	190	190
			UL	90	90	90	90
			L	804	904	1004	1104
			A	314	314	314	314

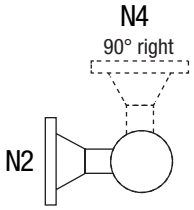
Weight approx. [mm]

N1	N2	N3	CCD 300	CCD 400	CCD 500	CCD 600
			[kg]			
DN100, PN40	DN20, PN40	G ½	19.5	21.2	22.9	24.5
DN100, PN40	DN20, PN40	DN20, PN40	20.2	21.9	23.6	25.2
DN100, PN40	DN25, PN40	DN25, PN40	20.9	22.6	24.3	26.0



Measuring cylinder
MF





Measuring cylinder type codes

MF 206-1STT 118 P / 214 P / 312 G + CCD

Comment	Version	Type
Nature of product	Measuring cylinder	MF
Design (fittings on side)	2 S-fittings	20
	4 S-fittings 90°R	40
	4 S-fittings 90°L	41
Nominal pressure	PN 40	6
	PN 63	7
	PN 160	9
Size (D)	88.9	1
	114.3	2
Material	Steel P235GH	S
	Heat-resistant steel 16Mo3	W
	Austenite	A
Layout	PED / AD	T
Final inspection	PED (TÜV if required)	T
Connection of level electrode (N 1)	G 3/4	114 G
	G 1	115 G
	G 11/4	116 G
	G 11/2	117 G
	DN 50	118 P
	DN 100	121 P
Connection for boiler (N 2)	DN 20	214 P
	DN 25	215 P
Connection for drain (N 3)	G 1/2 DN 20	312 G
	DN 20	314 P
	DN 25	315 P
Side fittings (N 4)	DN 20	414 P
	DN 25	415 P

→ Not required in the example

Conformity assessment to PED 2014/68/EU
Classification based on pressure/litre product (P*V)

Centre-to-centre distance (CCD) [mm]
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800

Application of European Directives

Pressure Equipment Directive
The equipment conforms to this directive and can be used for the following fluids:

■ Group 2 fluids

ATEX Directive
The equipment does not have its own potential ignition source and is therefore not subject to this directive.

Static electricity: Once installed, static electricity may arise between the equipment and the connected system.

If used in potentially explosive atmospheres, the plant manufacturer or owner is responsible for discharging or preventing possible static charge.

If it is possible for fluid to escape, e.g. through actuating mechanisms or leaks in threaded joints, the plant manufacturer or owner must take this into consideration when dividing the area into zones.

Please note our general terms of business.

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