



The Oventrop Quality Management System is certified to DIN-EN-ISO 9001

Description:

Oventrop metering stations made of brass resistant to dezincification, stainless steel or cast iron.

Metering station made of brass resistant to dezincification:

The metering station PN 25 is equipped with two pressure test points. Inlet port female thread, outlet port male thread according to EN 10226. Copper pipes (according to DIN EN 1057) can be connected to the female thread DN 15 and DN 20 by use of the suitable compression fittings "Ofix" (reinforcing sleeves are to be used!).

Max. working temperature t_s : 150°C

Min. working temperature t_s : -20°C

Max. working pressure p_s : 25 bar (PN 25)

Stainless steel or cast iron metering station:

The metering stations PN 16 or PN 25 are equipped with two extended pressure test points. Wafer type to fit between two flanges PN 16 or PN 25.

Application:

Oventrop metering stations are installed in the pipework of hot water central heating and cooling systems and serve to achieve a hydronic balance between the various circuits of the system.

The metering stations may be installed in either the supply or the return pipe.

They are installed either close-coupled to an Oventrop double regulating and commissioning valve to form a commissioning set or to an Oventrop isolating valve.

The balance is achieved by adjusting and setting the double regulating and commissioning valve whilst measuring the pressure drop across the metering station.

Advantages:

- easy operation by use of one single characteristic line of the metering station
- can be installed separately, e.g. as a constant monitoring device
- flow characteristic lines are stored in the flow-meter "OV-DMC 2", item no. 106 91 77

Notes:

We recommend a minimum of 5 diameters of straight valve sized pipe on the inlet port of the metering station with nothing more restrictive between the metering station and the succeeding valve.



Metering station made of brass resistant to dezincification



Metering station made of stainless steel

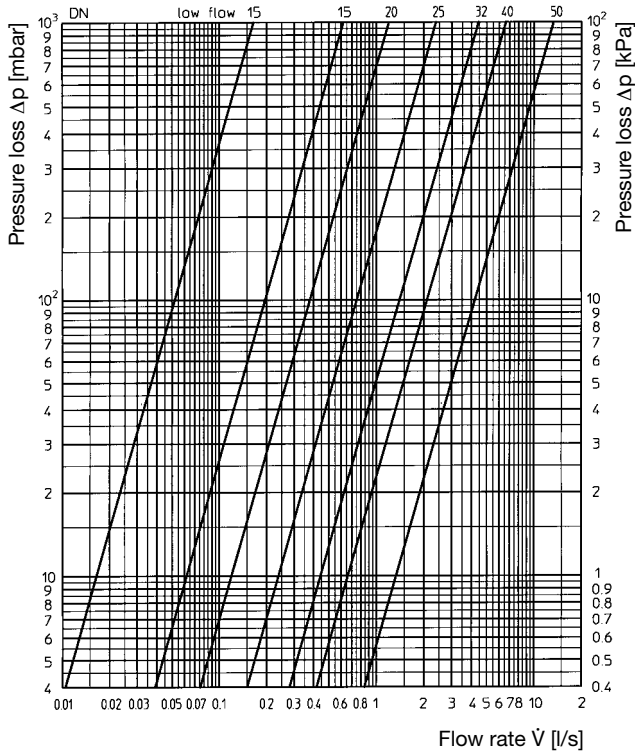
Metering station made of brass resistant to dezincification
Measuring technique "classic"
Inlet port female thread
Outlet port male thread according to EN 10226

Tender specification:

Metering station made of brass resistant to dezincification complete with two pressure test points, inlet port female thread, outlet port male thread according to EN 10226.

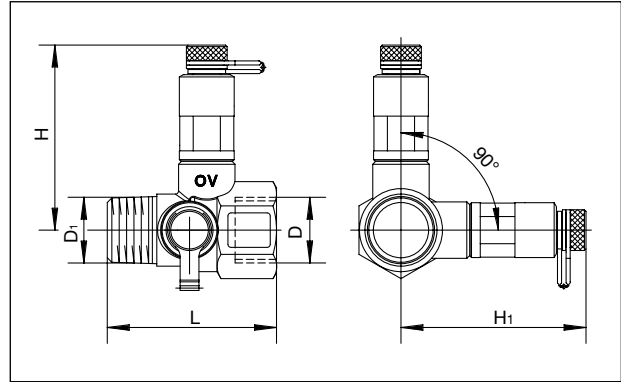
Max. working temperature t_S : 150°C
 Min. working temperature t_S : -20°C
 Max. working pressure p_S : 25 bar (PN 25)

Size	Thread	kv	Item no.
DN 15	1/2"	2.20	106 06 04
DN 15MF	1/2"	1.20	106 06 34
DN 15LF	1/2"	0.55	106 06 44
DN 20	3/4"	4.25	106 06 06
DN 25	1"	8.60	106 06 08
DN 32	1 1/4"	15.90	106 06 10
DN 40	1 1/2"	23.70	106 06 12
DN 50	2"	48.00	106 06 16



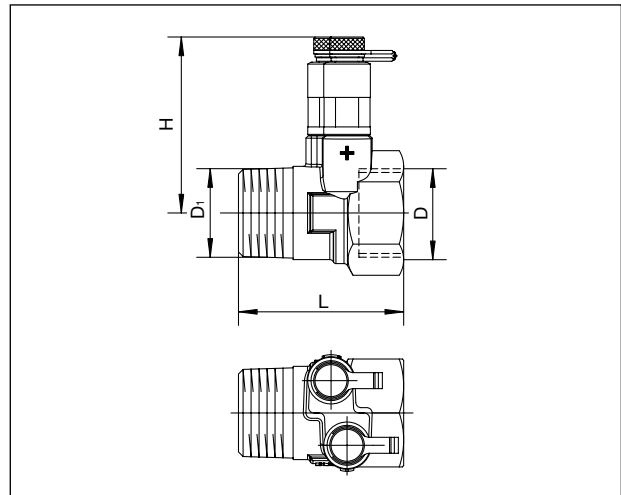
DN	15LF	15MF	15	20	25	32	40	50
kvs	0.55	1.20	2.20	4.25	8.60	15.90	23.70	48.00

Dimensions:



Item no.	DN	D EN 10226	D1 EN 10226	L	H	H1
106 06 04	15	Rp 1/2	R 1/2	54	60	60
106 06 34	15 MF	Rp 1/2	R 1/2	54	60	60
106 06 44	15 LF	Rp 1/2	R 1/2	54	60	60
106 06 06	20	Rp 3/4	R 3/4	55	62	62

Metering station DN 15 and DN 20



Item no.	DN	D EN 10226	D1 EN 10226	L	H
106 06 08	25	Rp 1	R 1	62	66
106 06 10	32	Rp 1 1/4	R 1 1/4	69	70.5
106 06 12	40	Rp 1 1/2	R 1 1/2	69	76
106 06 16	50	Rp 2	R 2	80	81

Metering station DN 25 und DN 50

As regulation unit (metering station with succeeding valve), preference should be given to the combination metering station and double regulating and commissioning valve "Hydrocontrol R" or "Hycocoon V".

As for this combination, the set value can be read off the double regulating and commissioning valve and can be secured and locked with memory position with the help of the flow limiting device.

Metering station made of stainless steel
Measuring technique "classic"

Tender specification:

Metering station made of stainless steel, wafer pattern, for flanges according to DIN EN 1092/PN 16 or PN 25, complete with two pressure test points, to fit between two flanges.

Max. working temperature t_s : 150°C

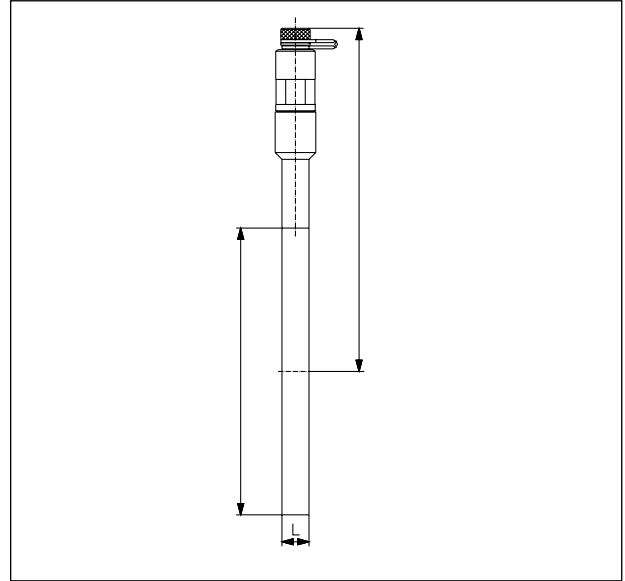
Min. working temperature t_s : -20°C

Max. working pressure p_s : 16 bar (PN 16)

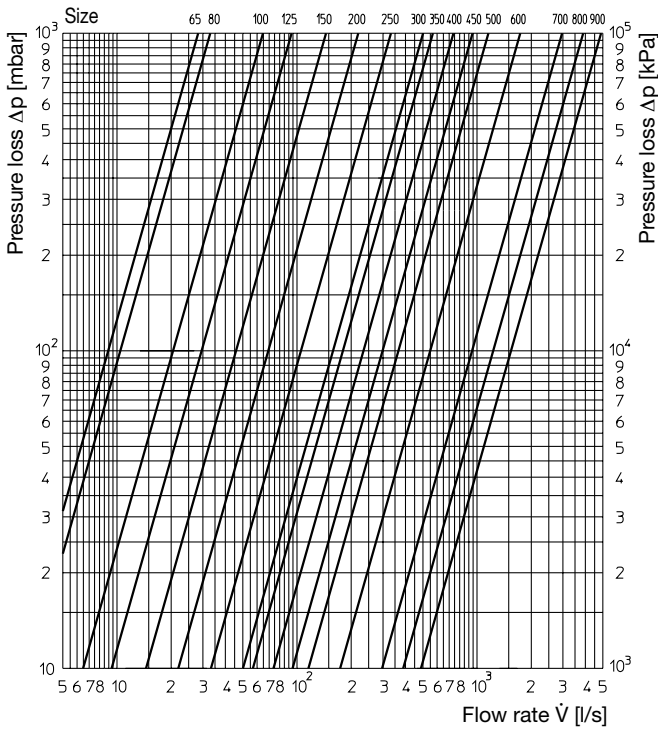
Max. working pressure p_s : 25 bar (PN 25)

Size	kv	Item no. (PN 16)	Item no. (PN 25)
DN 65	102	106 07 51	
DN 80	120	106 07 52	
DN 100	234	106 07 53	106 08 53
DN 125	335	106 07 54	106 08 54
DN 150	522	106 07 55	106 08 55
DN 200	780	106 07 56	106 08 56
DN 250	1197	106 07 57	106 08 57
DN 300	1810	106 07 58	106 08 58
DN 350	2050	106 07 59	106 08 59
DN 400	2650	106 07 60	106 08 60
DN 450	3400	106 07 61	106 08 61
DN 500	4200	106 07 62	106 08 62
DN 600	6250	106 07 63	106 08 63
DN 700	10690	106 07 64	
DN 800	14000	106 07 65	
DN 900	17577	106 07 66	
DN 1000	22540	106 07 67	

Dimensions:



DN	D 106 07	D 106 08	L	H 106 07	H 106 08
65	127	-	12	201	-
80	142	-	12	208	-
100	162	168	12	218	221
125	192	194	12	233	234
150	218	224	12	246	249
200	273	284	12	274	279
250	329	340	12	302	307
300	384	400	12	330	337
350	444	457	12	409	416
400	495	514	12	435	444
450	555	564	12	465	469
500	617	624	12	496	500
600	734	731	12	554	553
700	804	-	12	590	-
800	911	-	12	643	-
900	1011	-	12	693	-
1000	1128	-	12	751	-



As regulation unit (metering station with succeeding valve), preference should be given to the combination metering station and double regulating and commissioning valve "Hydrocontrol F" or "Hydrocontrol FR".

As for this combination, the set value can be read off the double regulating and commissioning valve and can be secured and locked with memory position with the help of the flow limiting device.

DN	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
kvs	102	120	234	335	522	780	1197	1810	2050	2650	3400	4200	6250	10690	14000	17577	22540

also valid for 106 08 53-63

Metering station made of cast iron
Measuring technique "classic"

Tender specification:

Metering station made of cast iron (GG 25 EN-GJL-250 DIN EN 1561), wafer pattern, for flanges according to DIN EN 1092/PN 16 complete with two pressure test points, to fit between two flanges.

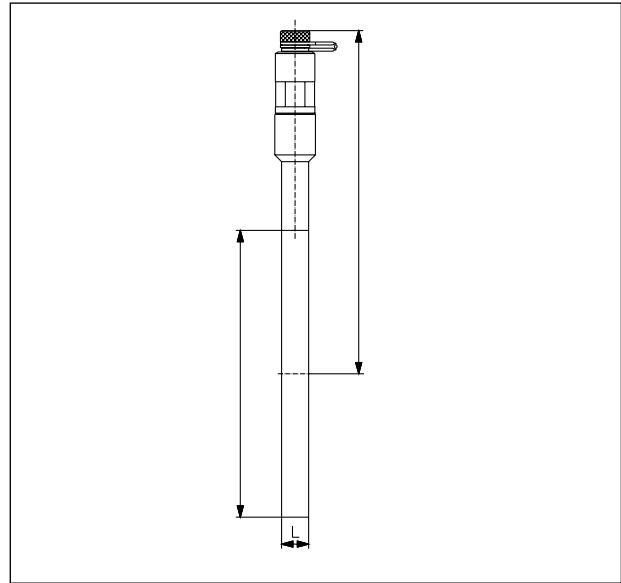
Max. working temperature t_S : 120°C

Min. working temperature t_S : -10°C

Max. working pressure p_S : 16 bar (PN 16)

Size	kv	Item no.
DN 65	93	106 07 71
DN 80	126	106 07 72
DN 100	244	106 07 73
DN 125	415	106 07 74
DN 150	540	106 07 75
DN 200	1010	106 07 76
DN 250	1450	106 07 77
DN 300	2400	106 07 78

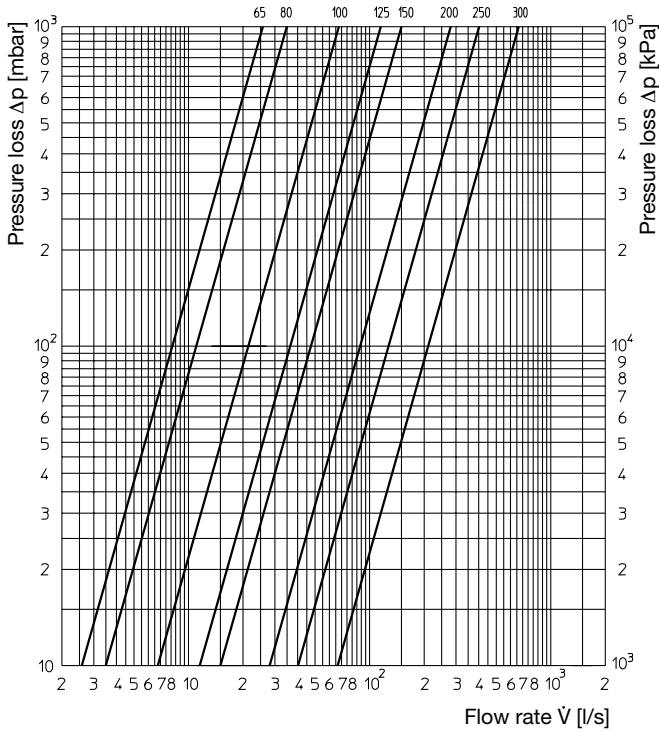
Dimensions:



DN	D	L	H
65	127	20	127
80	142	20	134
100	162	20	144
125	192	20	159
150	218	20	172
200	273	20	200
250	329	20	228
300	384	20	255

As regulation unit (metering station with succeeding valve), preference should be given to the combination metering station and double regulating and commissioning valve "Hydrocontrol F" and "Hydrocontrol FR".

As for this combination, the set value can be read off the double regulating and commissioning valve and can be secured and locked with memory position with the help of the flow limiting device.



Subject to technical modification without notice.

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