

Operating Guide

AB-QM 4.0 Flexo / 73693710

AB-QM 4.0 Flexo, DN 15-20 (80 mm)



MAINTENANCE
FREE



-10 ... 95°C



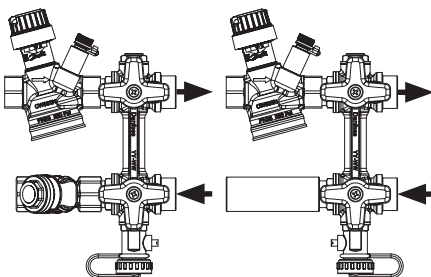
PN 25



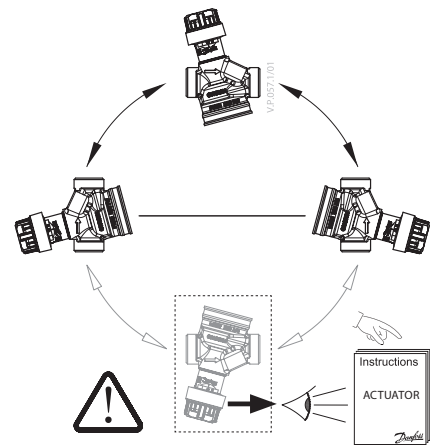
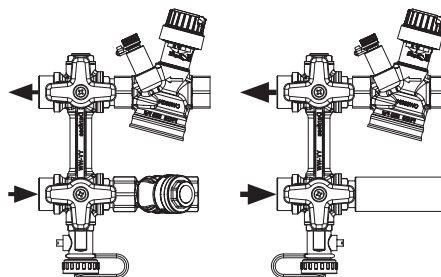
$\Delta p_{max} = 600 \text{ kPa}$
(6 bar)

Installation

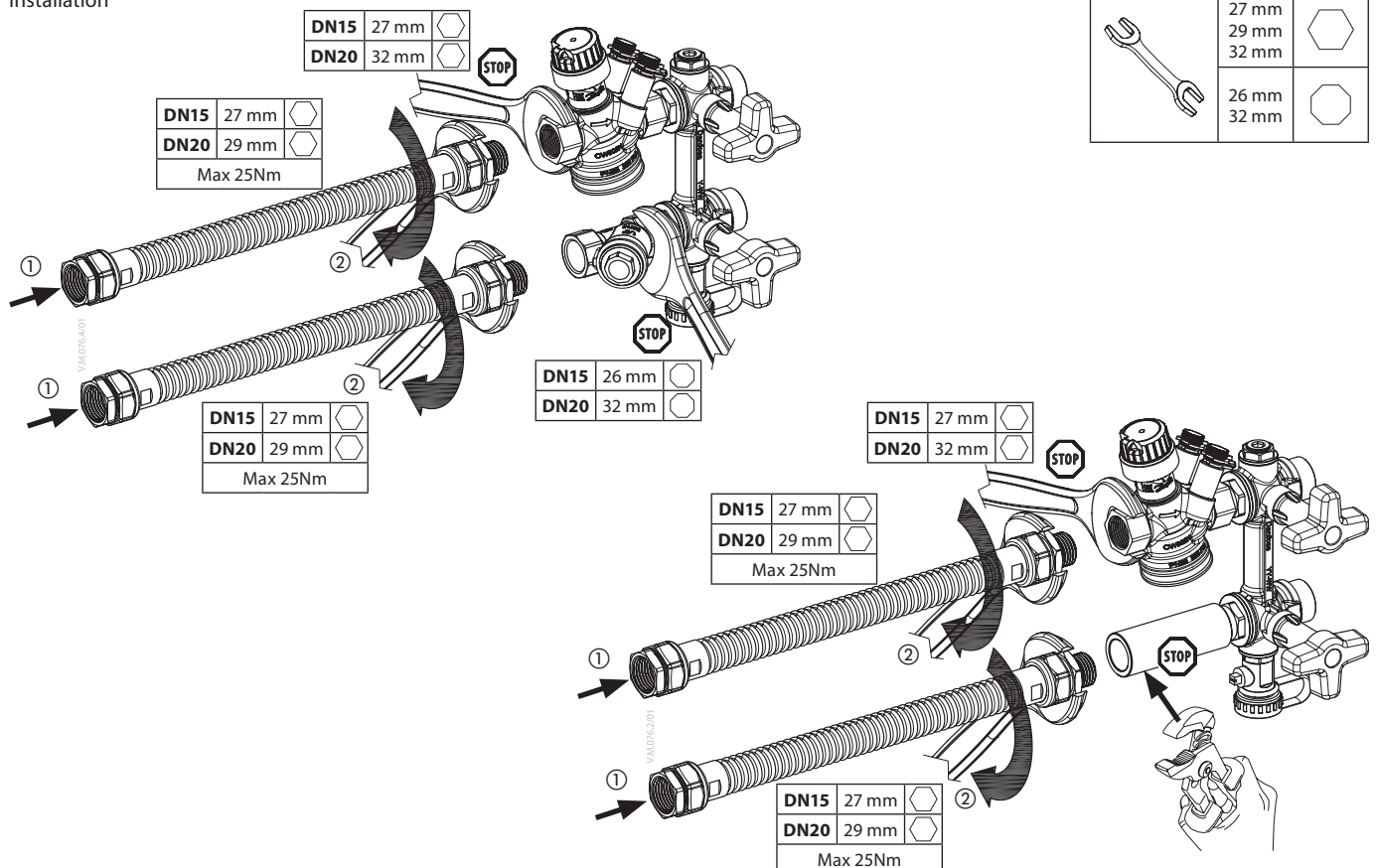
Left-hand version



Right-hand version

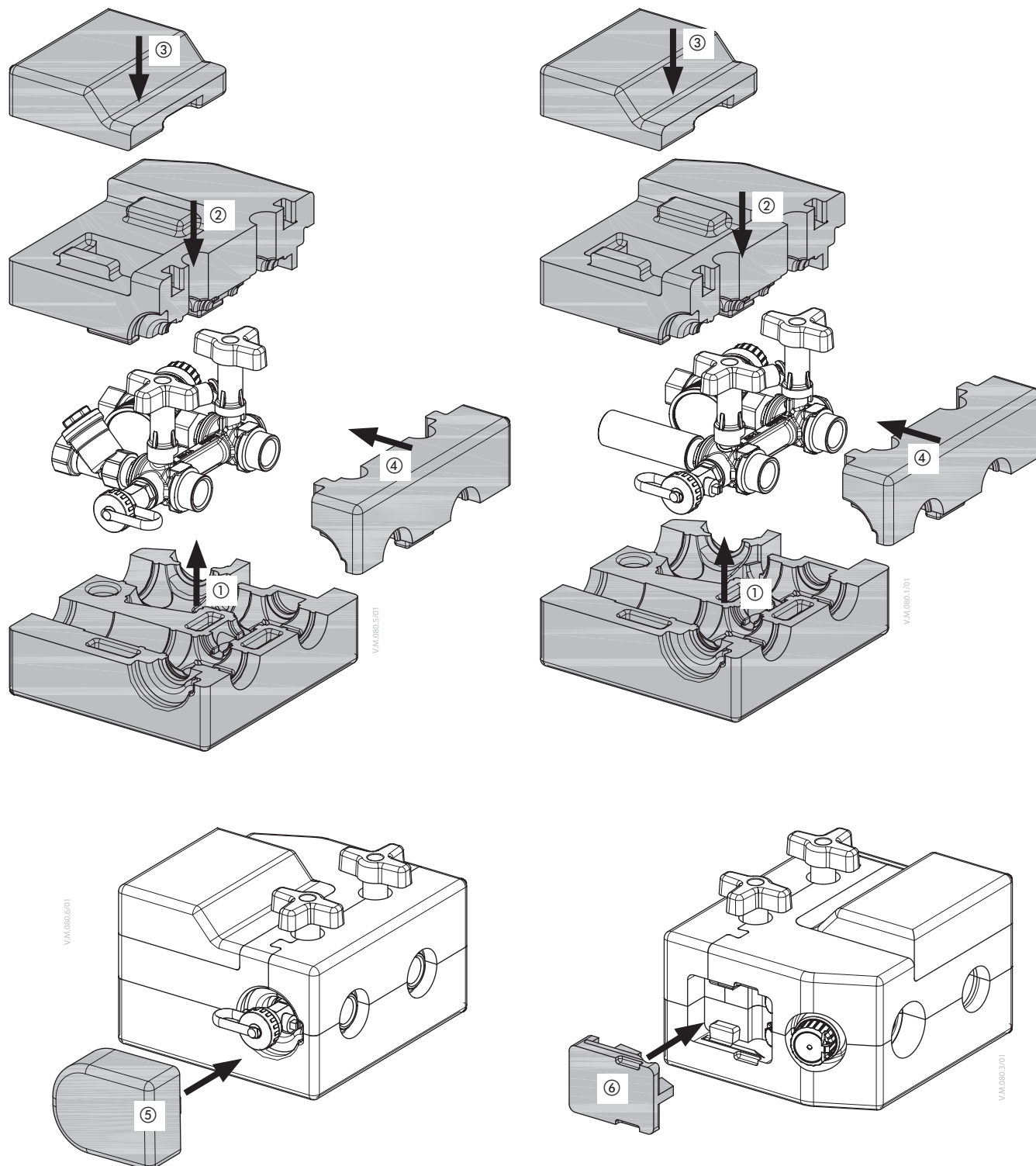


Installation



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Insulation

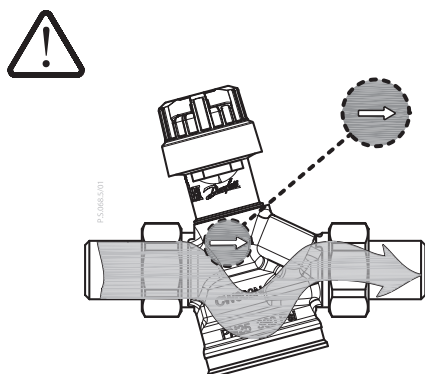


Note:

In cooling application depending on design condition and humidity, Flexo set shall be insulated fully with vapor tight insulation.

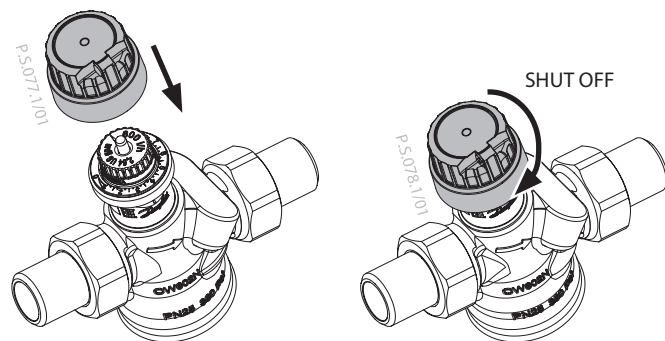
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Setting



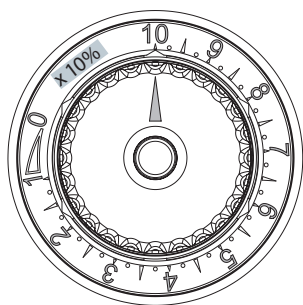
Shut-off

$\Delta p_{max} = 10 \text{ bar}$

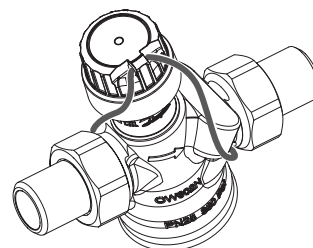


Setting

 = 10 (100%)

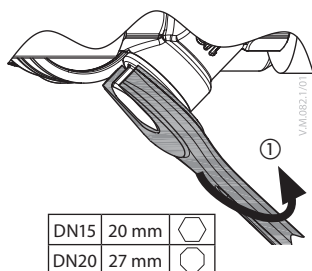


Locking

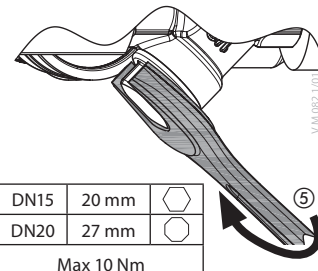
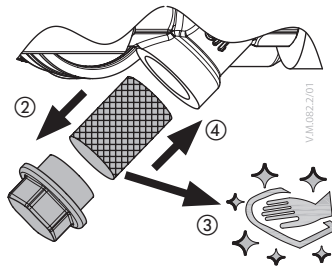


Filter cleaning

	16, 20 mm	
	27 mm	



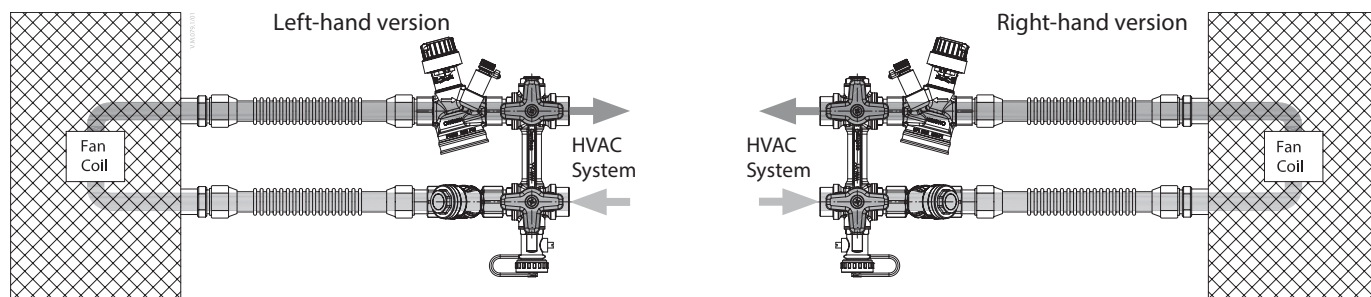
DN15	20 mm	
DN20	27 mm	



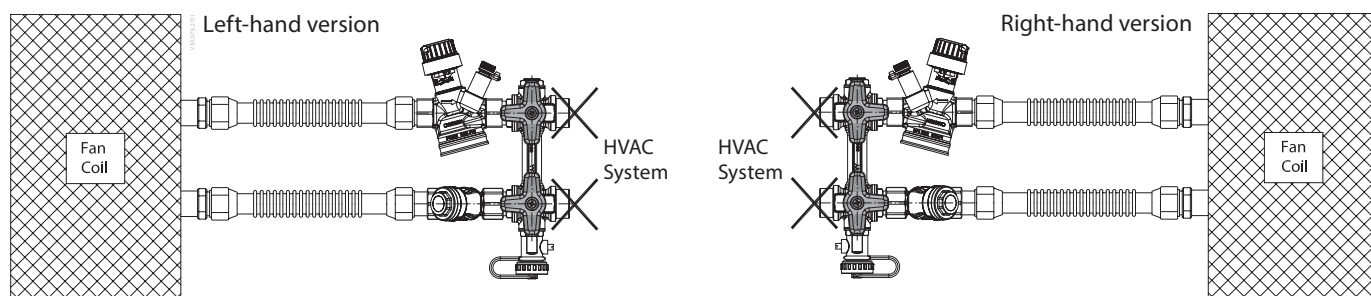
DN15	20 mm	
DN20	27 mm	
Max 10 Nm (till metal touches metal)		

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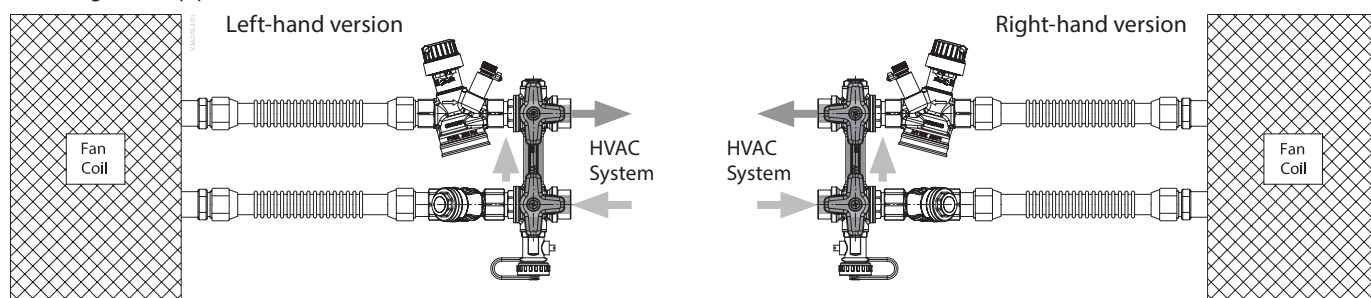
Operation



Shut-off/Maintenance

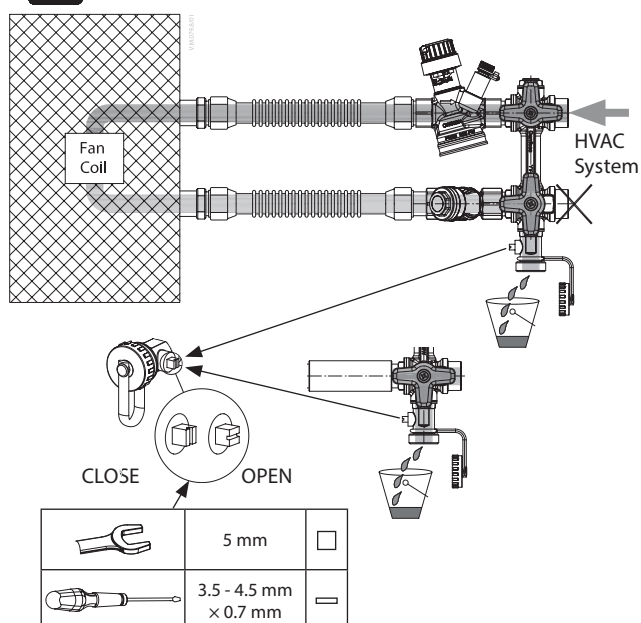


Flushing of main pipe



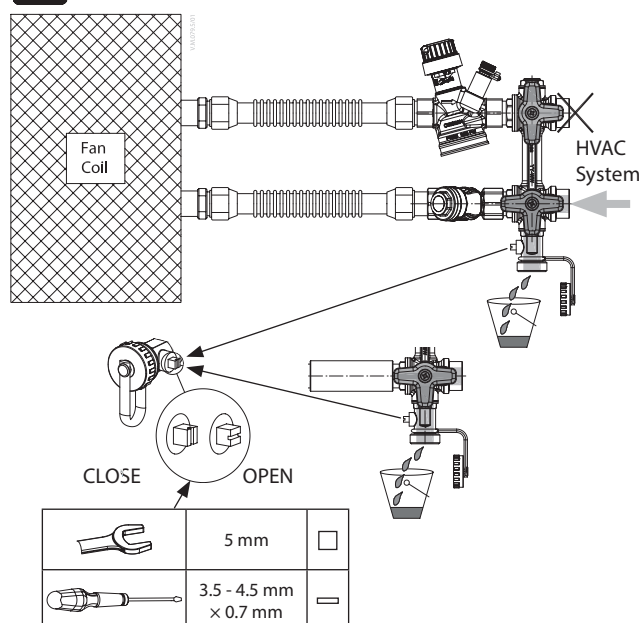
Backward flushing

⚠ For the right-hand version the function is mirrored.



Forward flushing

⚠ For the right-hand version the function is mirrored.

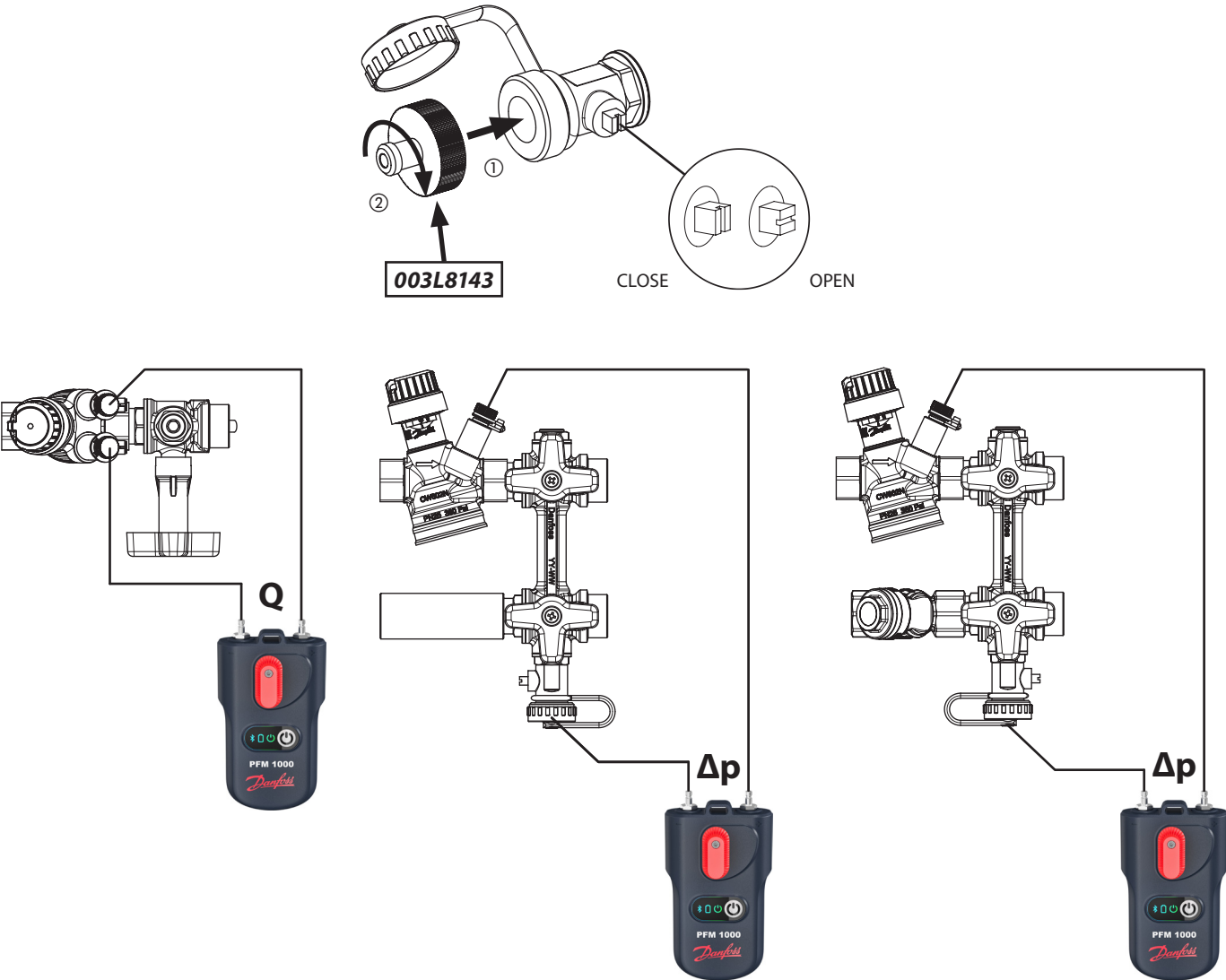


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Sizing

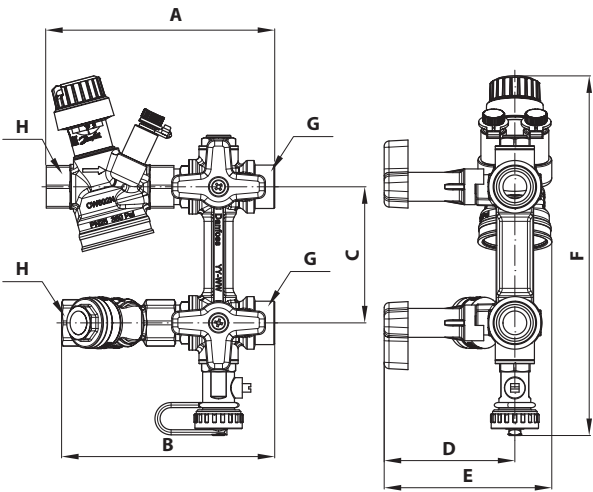
Setting	DN15 LF			DN 15			DN 15 HF			DN 20			DN 20 HF		
	L/h	L/s	GPM	L/h	L/s	GPM	L/h	L/s	GPM	L/h	L/s	GPM	L/h	L/s	GPM
10%	20	0.006	0.09	65	0.018	0.29	120	0.033	0.53	110	0.03	0.48	190	0.053	0.84
15%	30	0.008	0.13	98	0.027	0.43	180	0.050	0.79	165	0.05	0.73	285	0.079	1.25
20%	40	0.011	0.18	130	0.036	0.57	240	0.067	1.06	220	0.06	0.97	380	0.106	1.67
25%	50	0.014	0.22	163	0.045	0.72	300	0.083	1.32	275	0.08	1.21	475	0.132	2.09
30%	60	0.017	0.26	195	0.054	0.86	360	0.100	1.59	330	0.09	1.45	570	0.158	2.51
35%	70	0.019	0.31	228	0.063	1.00	420	0.117	1.85	385	0.11	1.70	665	0.185	2.93
40%	80	0.022	0.35	260	0.072	1.14	480	0.133	2.11	440	0.12	1.94	760	0.211	3.35
45%	90	0.025	0.40	293	0.081	1.29	540	0.150	2.38	495	0.14	2.18	855	0.238	3.76
50%	100	0.028	0.44	325	0.090	1.43	600	0.167	2.64	550	0.15	2.42	950	0.264	4.18
55%	110	0.031	0.48	358	0.099	1.57	660	0.183	2.91	605	0.17	2.66	1045	0.290	4.60
60%	120	0.033	0.53	390	0.108	1.72	720	0.200	3.17	660	0.18	2.91	1140	0.317	5.02
65%	130	0.036	0.57	423	0.117	1.86	780	0.217	3.43	715	0.20	3.15	1235	0.343	5.44
70%	140	0.039	0.62	455	0.126	2.00	840	0.233	3.70	770	0.21	3.39	1330	0.370	5.86
75%	150	0.042	0.66	488	0.135	2.15	900	0.250	3.96	825	0.23	3.63	1425	0.396	6.27
80%	160	0.044	0.70	520	0.144	2.29	960	0.267	4.23	880	0.24	3.87	1520	0.422	6.69
85%	170	0.047	0.75	553	0.154	2.43	1020	0.283	4.49	935	0.26	4.12	1615	0.449	7.11
90%	180	0.050	0.79	585	0.163	2.58	1080	0.300	4.76	990	0.28	4.36	1710	0.475	7.53
95%	190	0.053	0.84	618	0.172	2.72	1140	0.317	5.02	1045	0.29	4.60	1805	0.502	7.95
100%	200	0.056	0.88	650	0.181	2.86	1200	0.333	5.28	1100	0.31	4.84	1900	0.528	8.37

Measurements

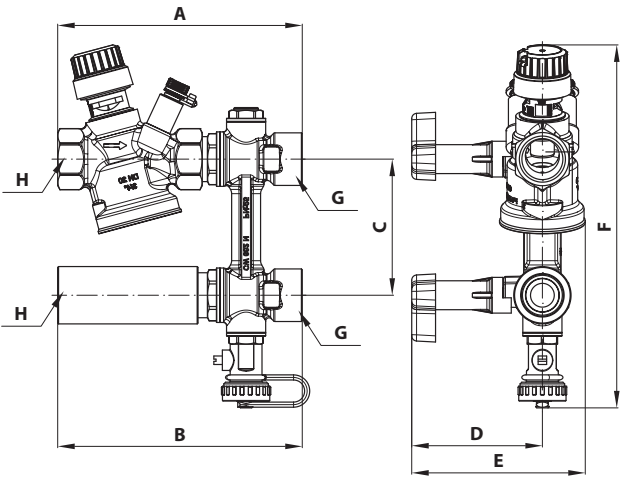


AB-QM 4.0 Flexo, DN 15-20

Dimensions



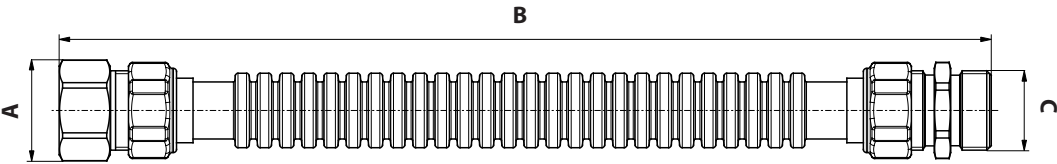
	DN15LF	DN15	DN15HF	DN20	DN20HF
A	134.5			144	
B	125			138	
C	80			80	
D	77			77	
E	98.5			102	
F	211			213	
G	Internal G1/2"			Internal G3/4"	
H	Internal Rp1/2"			Internal Rp3/4"	



	DN15LF	DN15	DN15HF	DN20	DN20HF
A	134.5			144	
B	134.5			144	
C	80			80	
D	77			77	
E	98.5			102	
F	211			213	
G	Internal G1/2"			Internal G3/4"	
H	Internal Rp1/2"			Internal Rp3/4"	

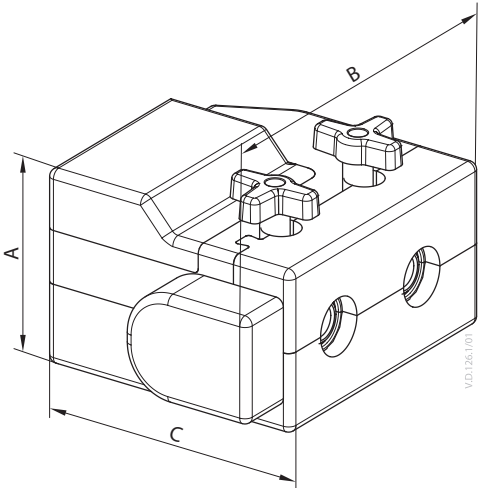
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Dimensions



	A	B*	C
DN15	Internal G1/2" (ISO228/1)	298	External G1/2" (ISO 228/1)
DN20	Internal G3/4" (ISO228/1)	310	External G3/4" (ISO 228/1)

* The length of the flexible pipes might deviate +20 or -10mm.



	A	B	C
DN15	95	215	160
DN20	120	220	167



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