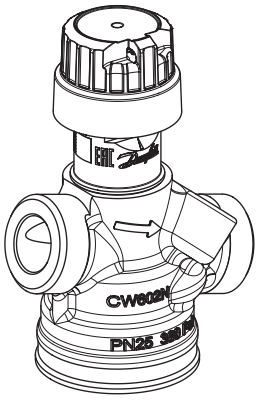
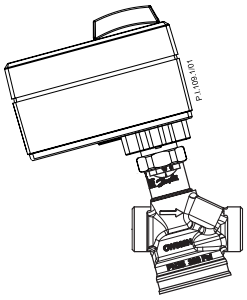
ENGINEERING
TOMORROW

Operating Guide

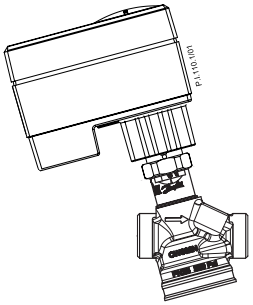
AVQML / 73690560

AVQML DN15 & DN20

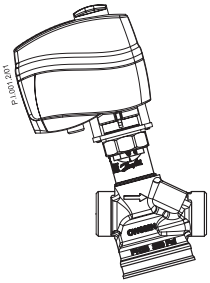




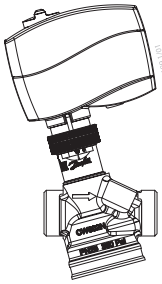
AMV(E) 10 + AVQML



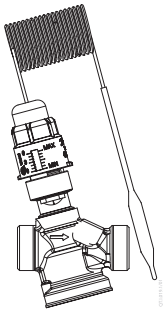
AMV(E) 13 + AVQML



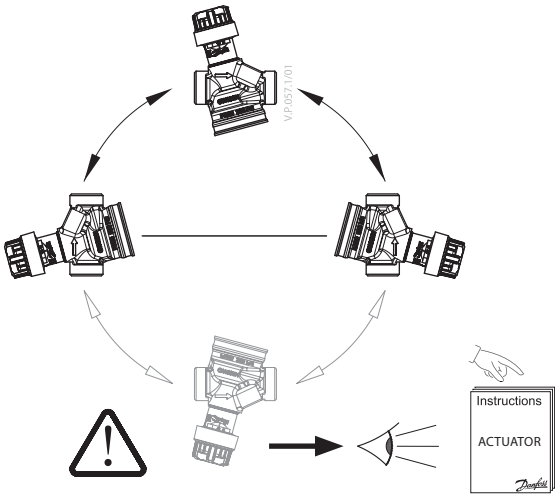
AMV 150 + AVQML



AMV(E) 130 (H) AMV(E) 140 (H) + AVQML



QTL + AVQML





MAINTENANCE FREE



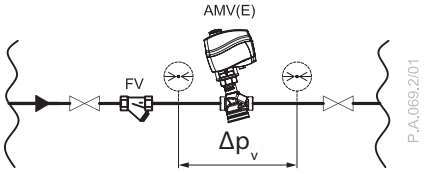
+2 … 110°C



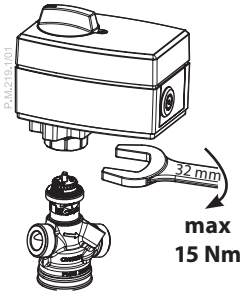
PN25



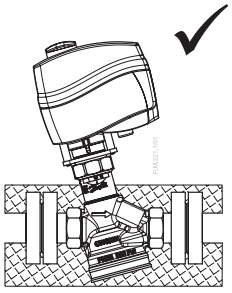
Δp_{max} = 800kPa (8 bar)

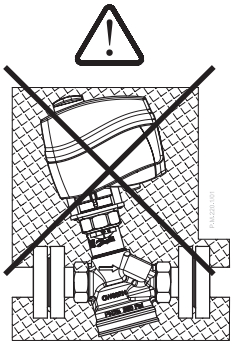


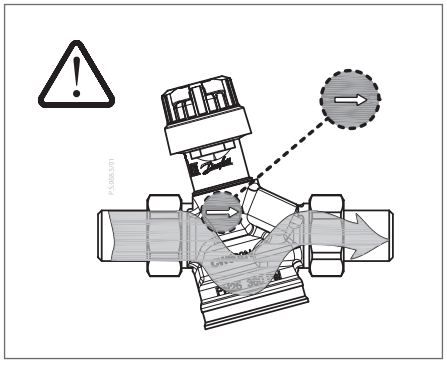
$Q_{max} \Rightarrow \Delta p_v \geq 0.5$ bar

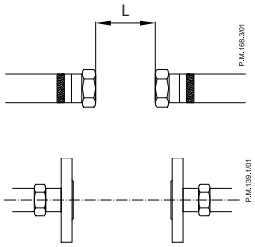


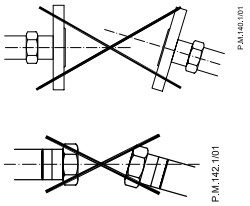
max 15 Nm

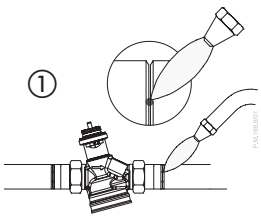


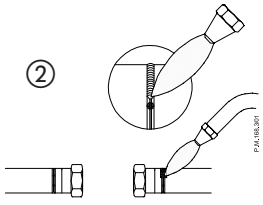


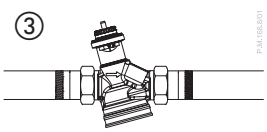


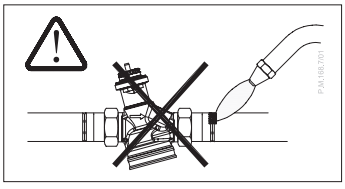






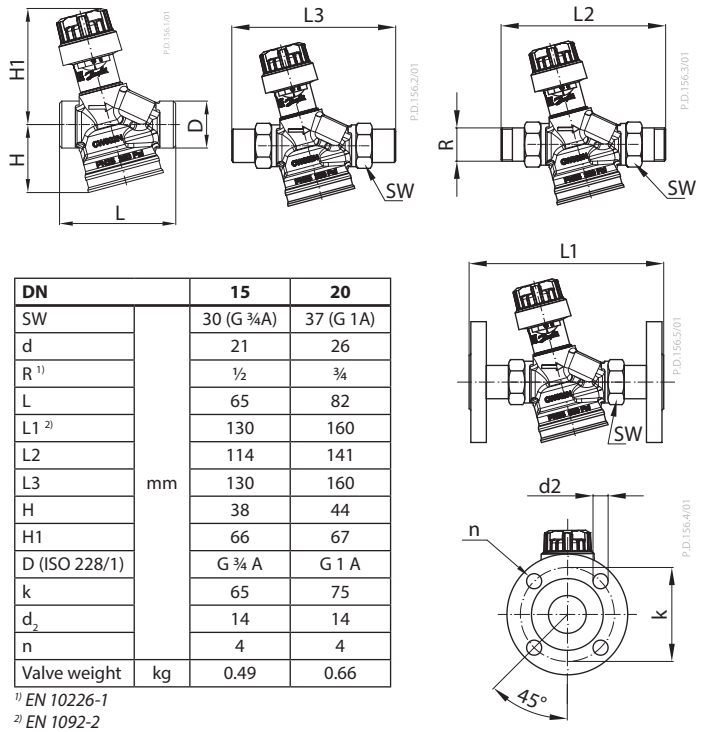






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AVQML

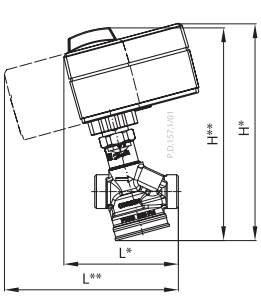


DN		15	20
SW	mm	30 (G ¾A)	37 (G 1A)
d		21	26
R [1]		½	¾
L		65	82
L1 [2]		130	160
L2		114	141
L3		130	160
H		38	44
H1		66	67
D (ISO 228/1)		G ¾ A	G 1 A
k		65	75
d_2		14	14
n		4	4
Valve weight	kg	0.49	0.66

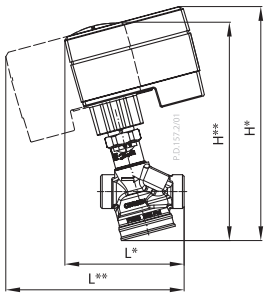
[1] *EN 10226-1*
[2] *EN 1092-2*

Setting	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
10%	80	0.022	0.35	130	0.036	0.57	125	0.035	0.55	190	0.053	0.84
15%	120	0.033	0.53	195	0.054	0.86	188	0.052	0.83	285	0.079	1.25
20%	160	0.044	0.70	260	0.072	1.14	250	0.069	1.10	380	0.106	1.67
25%	200	0.056	0.88	325	0.090	1.43	313	0.087	1.38	475	0.132	2.09
30%	240	0.067	1.06	390	0.108	1.72	375	0.104	1.65	570	0.158	2.51
35%	280	0.078	1.23	455	0.126	2.00	438	0.122	1.93	665	0.185	2.93
40%	320	0.089	1.41	520	0.144	2.29	500	0.139	2.20	760	0.211	3.35
45%	360	0.100	1.59	585	0.163	2.58	563	0.156	2.48	855	0.238	3.76
50%	400	0.111	1.76	650	0.181	2.86	625	0.174	2.75	950	0.264	4.18
55%	440	0.122	1.94	715	0.199	3.15	688	0.191	3.03	1045	0.290	4.60
60%	480	0.133	2.11	780	0.217	3.43	750	0.208	3.30	1140	0.317	5.02
65%	520	0.144	2.29	845	0.235	3.72	813	0.226	3.58	1235	0.343	5.44
70%	560	0.156	2.47	910	0.253	4.01	875	0.243	3.85	1330	0.369	5.86
75%	600	0.167	2.64	975	0.271	4.29	938	0.261	4.13	1425	0.396	6.27
80%[1]	640	0.178	2.82	1040	0.289	4.58	1000	0.278	4.40	1520	0.422	6.69
85%	680	0.189	2.99	1105	0.307	4.87	1063	0.295	4.68	1615	0.449	7.11
90%	720	0.200	3.17	1170	0.325	5.15	1125	0.313	4.95	1710	0.475	7.53
95%	760	0.211	3.35	1235	0.343	5.44	1188	0.330	5.23	1805	0.501	7.95
100%	800	0.222	3.52	1300	0.361	5.72	1250	0.347	5.50	1900	0.528	8.37

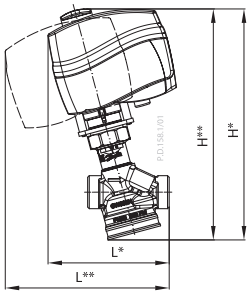
[1] *AMV(E) 130-140 <80%*



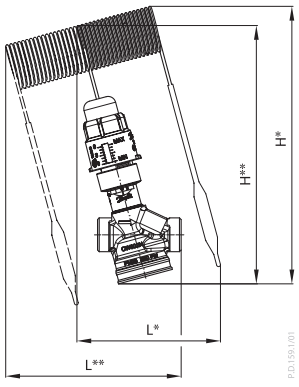
AMV(E) 10 + AVQML



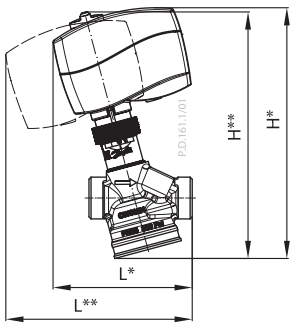
AMV(E) 13 + AVQML



AMV 150 + AVQML



QTL + AVQML



AMV(E) 130 (H) AMV(E) 140 (H) + AVQML

DN			15	20
L*	AMV(E) 10	mm	101	111
	AMV(E) 13		105	115
	AMV 150		96	107
	QTL		110	110
	AMV(E) 130/140		95	105
L**	AMV(E) 10		159	169
	AMV(E) 13		162	173
	AMV 150		130	140
	QTL		136	147
	AMV(E) 130/140		128	138
H*	AMV(E) 10		195	202
	AMV(E) 13		209	216
	AMV 150		182	189
	QTL		216	223
	AMV(E) 130/140		171	178
H**	AMV(E) 10		191	197
	AMV(E) 13		194	201
	AMV 150		182	189
	QTL		201	208
	AMV(E) 130/140		169	176

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