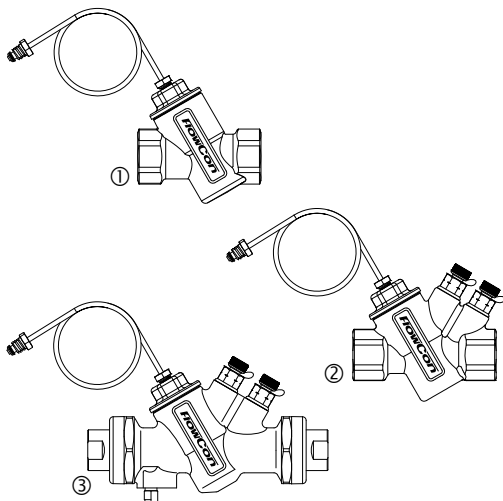


Installation and Operation Instruction

The **FlowCon SDP** inserts are available with three different FlowCon valve housings, either:

- ① FlowCon A DN15/20/25 (1/2"-1")
- ② FlowCon AB DN15/20/25 (1/2"-1")
- ③ FlowCon ABV DN15/20/25 (1/2"-1")



Insert Setting and Installation

Prior to installing the FlowCon SDP insert (supplied from factory with either fixed 10, 20 or 30 kPaD / 1.45, 2.90 or 4.35 psid), the system should be properly flushed. Blank valve covers are available to be installed during flushing.

It is recommended to grease the O-rings located around the insert and headnut with silicone grease before installing the insert in the valve housing.

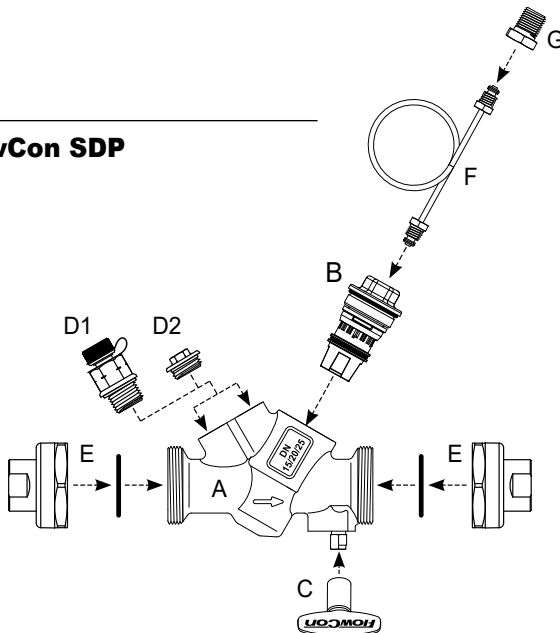
The SDP model is engraved at the top of the insert.

Capillary tube

Do not damage the capillary tube by compressing or bending the tube with a bending radius below 20 mm (3/4"). Capillary tube is to be finger mounted - **DO NOT OVER TIGHTEN**.

General Assembly Drawing FlowCon SDP

- A: Valve housing
- B: SPD insert
- C: Adjustment key
- D1: P/t plug (2 pcs.)
- D2: Plug (2 pcs.)
- E: Union end connections
- F: Capillary tube incl. M8 fittings (for QuickDisc®)
- G: 1/4" to M8 adaptor (for 1/4" body tap)



FlowCon SDP 15-25 mm (1/2"-1")

1H95020 - 04/2019

ΔpC		FlowCon SDP.10			FlowCon SDP.20			FlowCon SDP.30		
		10 kPaD / 1.45 psid			20 kPaD / 2.90 psid			30 kPaD / 4.35 psid		
kPaD	psid	l/sec	l/hr	GPM	l/sec	l/hr	GPM	l/sec	l/hr	GPM
1	0.1									
2	0.3									
3	0.4	0.240	864	3.80						
4	0.6	0.215	773	3.40						
5	0.7	0.189	682	3.00						
6	0.9	0.164	591	2.60						
7	1.0	0.139	500	2.20						
8	1.2	0.114	409	1.80						
9	1.3	0.088	318	1.40						
10	1.5	0.063	227	0.999	0.267	960	4.23			
11	1.6	0.038	136	0.599	0.244	880	3.88	0.394	1420	6.25
12	1.7	0.010	35	0.154	0.222	800	3.52	0.378	1360	5.99
13	1.9				0.200	720	3.17	0.358	1290	5.68
14	2.0				0.178	640	2.82	0.342	1230	5.42
15	2.2				0.156	560	2.47	0.322	1160	5.11
16	2.3				0.133	480	2.11	0.306	1100	4.84
17	2.5				0.111	400	1.76	0.286	1030	4.54
18	2.6				0.089	320	1.41	0.269	968	4.26
19	2.8				0.067	240	1.06	0.251	903	3.98
20	2.9				0.044	160	0.704	0.233	839	3.69
21	3.0				0.022	80	0.352	0.215	774	3.41
22	3.2				0.014	50	0.220	0.197	710	3.13
23	3.3							0.179	645	2.84
24	3.5							0.161	581	2.56
25	3.6							0.143	516	2.27
26	3.8							0.126	452	1.99
27	3.9							0.108	387	1.70
28	4.1							0.090	323	1.42
29	4.2							0.072	258	1.14
30	4.4							0.054	194	0.854
31	4.5							0.036	129	0.568
32	4.6							0.018	65	0.286
33	4.8							0.014	50	0.220

Nominal flow rate

The model of FlowCon SDP is engraved at the top of the insert



FlowCon SDP.10
10 kPaD / 1.45 psid



FlowCon SDP.20
20 kPaD / 2.90 psid



FlowCon SDP.30
30 kPaD / 4.35 psid

FlowCon International assumes no responsibility for mistakes, if any, in any printed material.