

INSTALLATION AND OPERATION INSTRUCTION

FlowCon Green.3

The **FlowCon Green.3** is available in two different sizes:

- FlowCon Green.3 DN40 (1 1/2")
- FlowCon Green.3 DN50 (2")

Both sizes are available with female/female threaded connections. Please see figure 1.

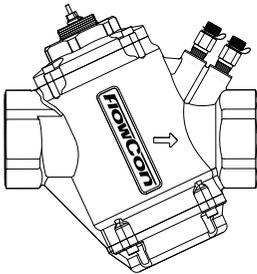


Figure 1

INSTALL THE VALVE WITH THE FLOW DIRECTIONAL ARROW POINTING IN THE CORRECT DIRECTION.

For all threaded connections pls. clear threads on both valve and piping of debris. Sealant such as pipe dope or Teflon is recommended on thread sealings.

WHEN USING HEMP AS PIPE SEALANT, ENSURE NO STRANDS ARE LEFT IN THE VALVE OR PIPING.

IMPORTANT:

Do not disassemble. The Green.3 is built as a complete valve and only trained FlowCon personnel is capable of performing repair. Unauthorized disassembly may result in calibration defects or damaged parts.

Setting the valve

The desired flow rate is chosen by adjusting the valve (turned from 1.0 and up to setting 5.0). To adjust the setting of the valve a specially designed key is used. See figure 2.

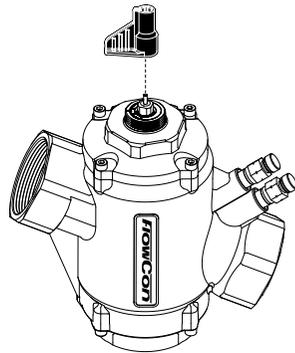


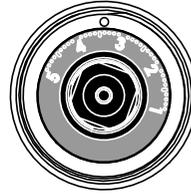
Figure 2

The key is used to adjust the scale on the top of the valve. The specific position is defined by an indication mark on the top of the housing. Once the correct flow rate has been selected, the actuator can be applied. Please see separate installation instruction for selected actuator.

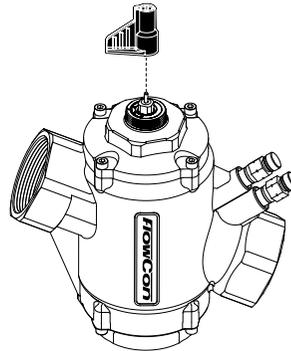
Pressure/temperature plugs (p/t plugs) are supplied standard with the valve if chosen in Model Number Selection. If installed at site, please seal the threads of the p/t plugs (**DO NOT OVER TIGHTEN**).

FlowCon Green.3				Setting
16-400 kPaD · 2.3-58 psid				
l/sec	l/hr	GPM		
0.528	1900	8.36	1.0	
0.633	2278	10.0	1.1	
0.738	2655	11.7	1.2	
0.843	3033	13.3	1.3	
0.947	3410	15.0	1.4	
1.05	3787	16.7	1.5	
1.16	4163	18.3	1.6	
1.26	4537	20.0	1.7	
1.36	4909	21.6	1.8	
1.47	5279	23.2	1.9	
1.57	5646	24.8	2.0	
1.67	6011	26.4	2.1	
1.77	6372	28.0	2.2	
1.87	6730	29.6	2.3	
1.97	7083	31.2	2.4	
2.06	7432	32.7	2.5	
2.16	7776	34.2	2.6	
2.25	8115	35.7	2.7	
2.35	8449	37.2	2.8	
2.44	8777	38.6	2.9	
2.53	9098	40.0	3.0	
2.61	9413	41.4	3.1	
2.70	9721	42.8	3.2	
2.78	10021	44.1	3.3	
2.86	10314	45.4	3.4	
2.94	10599	46.6	3.5	
3.02	10875	47.8	3.6	
3.10	11142	49.0	3.7	
3.17	11400	50.2	3.8	
3.24	11649	51.3	3.9	
3.30	11888	52.3	4.0	
3.37	12116	53.3	4.1	
3.43	12334	54.3	4.2	
3.48	12540	55.2	4.3	
3.54	12735	56.0	4.4	
3.59	12919	56.8	4.5	
3.64	13090	57.6	4.6	
3.68	13249	58.3	4.7	
3.72	13395	58.9	4.8	
3.76	13527	59.5	4.9	
3.79	13647	60.0	5.0	

Nominal flow rate



A micrometer setting of 3.4 as illustrated above corresponds to a maximum flow rate of: 2.86 l/sec (45.4 GPM).



Use the special designed key (FlowCon part no. ACC0007) for micrometer setting.

Accuracy: Greatest of either ±10% of controlled flow rate or ±5% of maximum flow rate.

Assembly drawing FlowCon Green.3

- A: Valve body
- B: Electrical actuator
- C1: P/t plug (2 pcs.)
- C2: Plug and gasket (2 of each)
- D: Adjustment key.

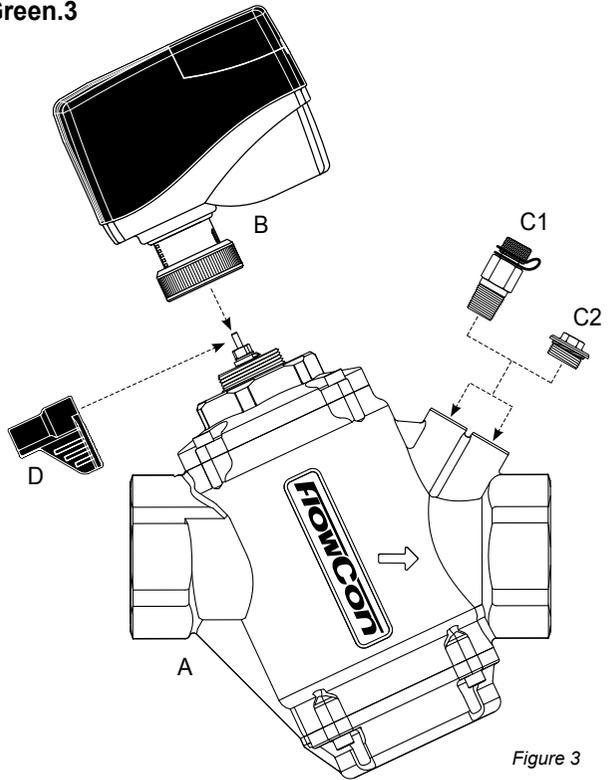


Figure 3

General

It is highly recommended flushing the entire pipeline. If it is not possible to flush the system unless the FlowCon Green.3 is installed, please make sure to adjust the setting to 5.0. Water must always be suitable treated, clean and free of debris. It is recommended that a strainer be installed prior to the Green.3 valve to prevent damage or blockage due to debris. Ensure that the valve is not in the fully closed position when filling the system with water.

Warranty obligation

Failure to abide by all recommendations as per this installation and operation instruction will void warranty.

For latest updates please see www.flowcon.com

