

INSTALLATION AND OPERATION INSTRUCTION

FlowCon QuickDisc™ 15-20mm, 1/2" - 3/4"

Install the **FlowCon QuickDisc™** valve either in the supply or return pipework for the unit. It is recommended that a strainer should be installed prior to the valve body to prevent damage or blockage due to debris.

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

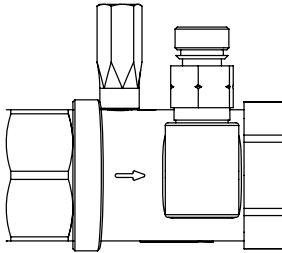


Figure 1

Installation guidelines

Please clear threads on both valve and piping of debris. Sealant such as pipe dope or teflon tape is recommended. When using hemp as pipe sealant, ensure no strands are left in the valve on piping. Do not overtighten.

Use two wrenches. Secure one wrench on the hex pads nearest the joint being tightened while using the second wrench to screw in the threaded end, thereby preventing the retainer-to-body seal from being broken.

Once the valve(s) has been installed and the system has been filled and purged, each valve loop must be set to the correct flow setting. Use the flow table to set position - see flow rates below.

Multiple passes are generally required to get the system in balance as the adjustment of each new valve affects the pressure drop (and flow) through the previously adjusted valves.

A flow meter kit are available for flow verification.

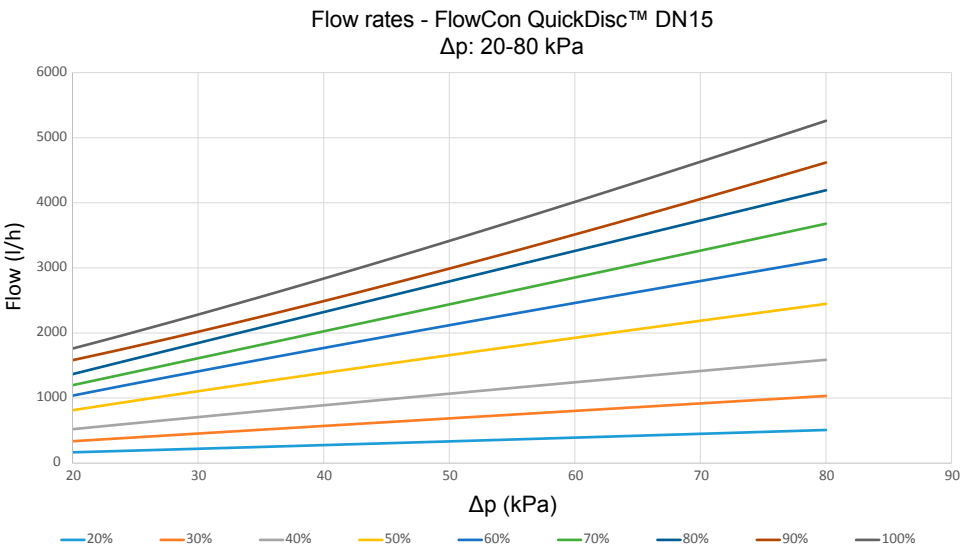
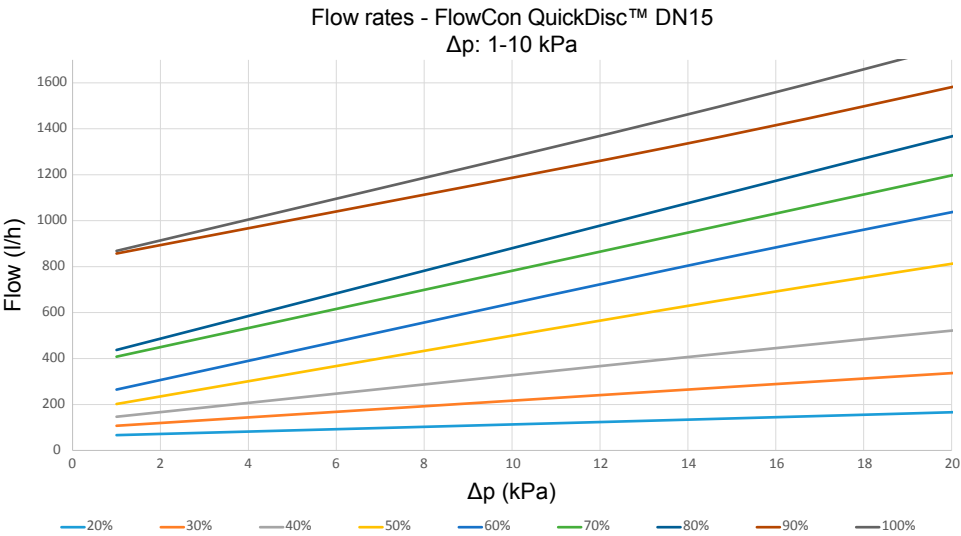
When all valves in the system have been correctly adjusted, the memory stop should be set to prevent unintentional changes in valve setting. On the QuickDisc™ rotate the lever handle down so that the lever handle touches the housing (it may already be rotated down).

Use your hand to rotate the memory stop ring so that the edge stops rotating at the lever. Don't tighten the ring with a tool as it may damage the ring. After tightening the lever can be rotated in between closed and set position.

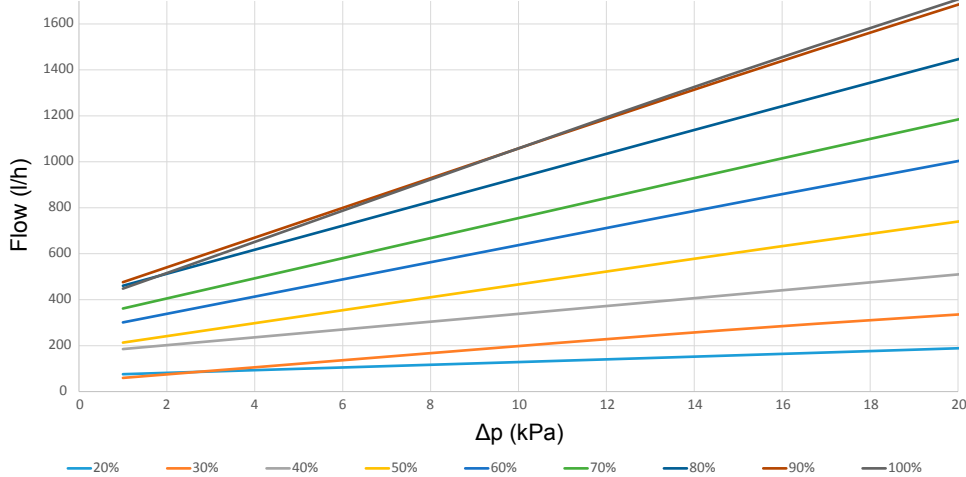
The memory stop will allow the valve to be used for isolation and then be reopened to the preset flow position.

Valve bodies are as standard supplied with pressure/temperature fittings (p/t plugs).

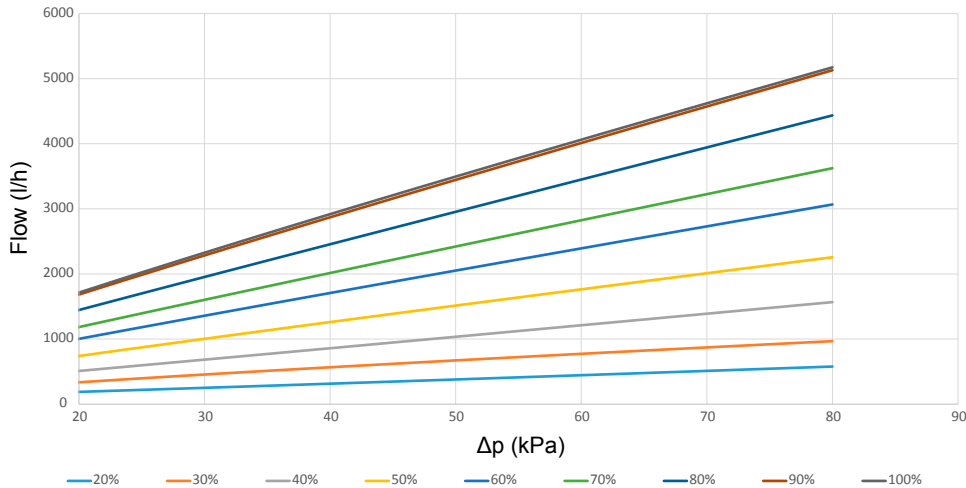
Flow rates vs measured differential pressure



Flow rates - FlowCon QuickDisc™ DN20
 Δp : 1-10 kPa



Flow rates - FlowCon QuickDisc™ DN20
 Δp : 20-80 kPa



General

Water must always be suitable treated, clean and free of 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 recommendation as per this installation and operation instruction will void warranty.

For latest updates please see www.flowcon.com.