

SINGLE CHECK & SINGLE DETECTOR CHECK VALVE

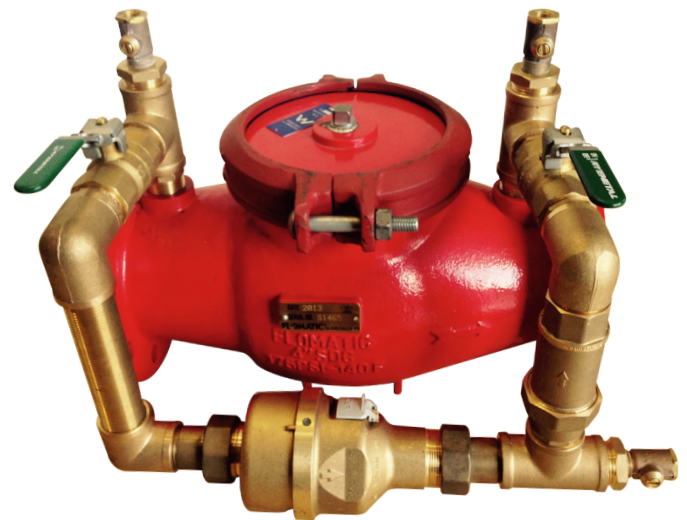


The Single Check and Single Detector Check Valve Assembly backflow preventer protects against backflow by either back-pressure or back-siphonage from a cross-connection between potable water systems and substances in 'low hazard' conditions in fire sprinkler systems.



Catalogue Numbers

Model	Catalogue Numbers
100mm Flanged	SCV100
150mm Flanged	SCV150
100mm Grooved	SCV100G
150mm Grooved	SCV150G
100mm Flanged with optional 20mm or 25mm Bypass kit	SDCV100
150mm Flanged with optional 20mm or 25mm Bypass kit	SDCV150
100mm Grooved with optional 20mm or 25mm Bypass kit	SDCV100G
150mm Grooved with optional 20mm or 25mm Bypass kit	SDCV150G
20mm Metered Bypass Kit	SDCKIT20
25mm Metered Bypass Kit	SDCKIT25



NOTE: 200mm Devices available on request.

The device is constructed from ductile iron (65-45-12). It consists of one (1) spring-loaded, center stem, guided check valve. The device has a cast ductile iron body, with a single access cover utilizing a grooved pipe coupling. The assembly has two (2) BSP tapped holes located upstream and downstream of the check valve for installation of the by-pass assembly (including a single check valve, shutoff valve and water meter) for detecting low flow. Device has top access entry for servicing. End connections are Table E Flanged or Grooved.

The seat of each check valve is constructed from Noryl™ or bronze and is replaceable. The check valve is held in place by a Noryl™ or Stainless Steel clip.

The backflow preventer is suitable for supply pressure up to 1200kPa and water temperatures up to 60°C.

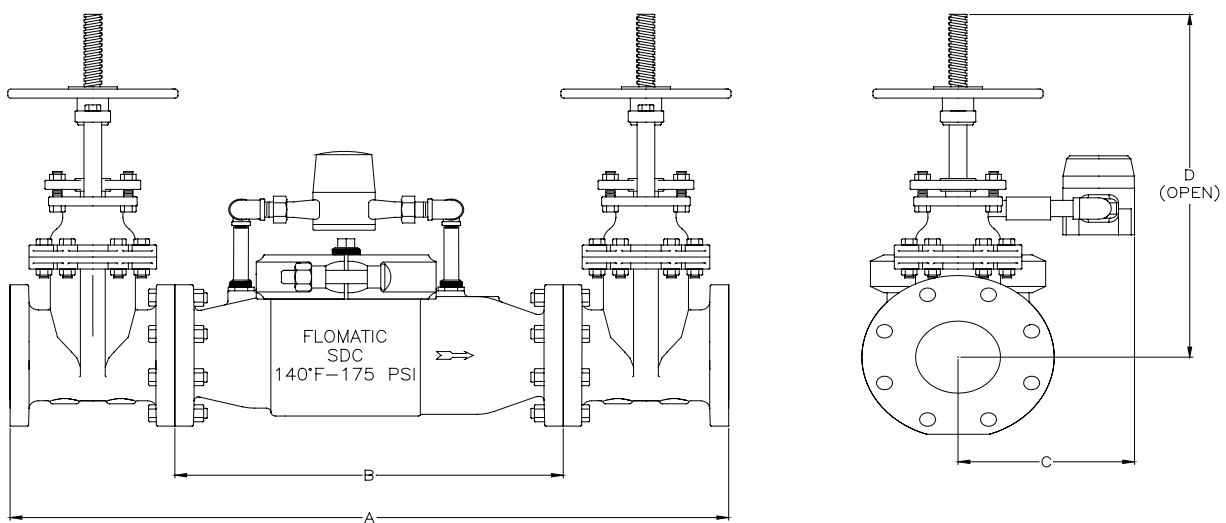


SINGLE CHECK & SINGLE DETECTOR CHECK VALVE

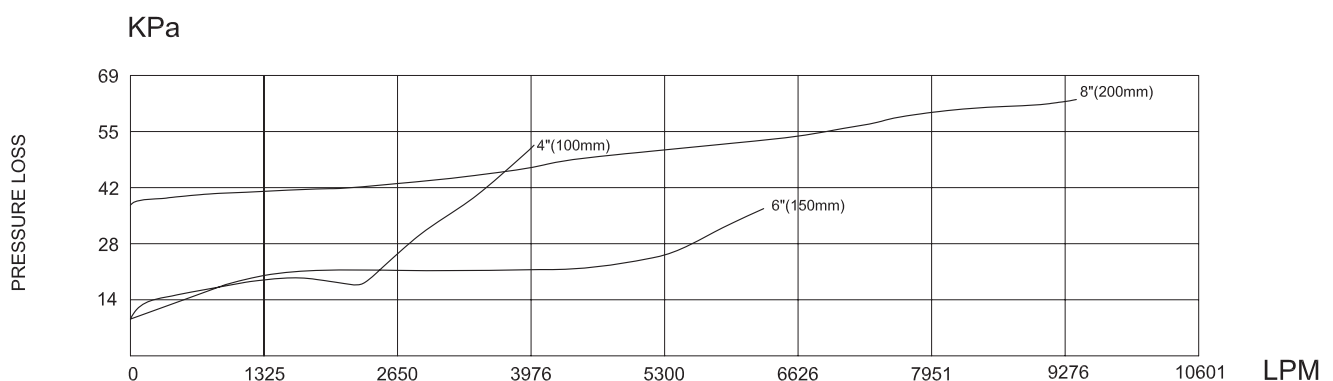


Dimensions

Size	Part #	A	B	C	D	Wgt (Flanged)	Wgt Bypass
mm		mm	mm	mm	mm	kg	kg
100	SCV100, SDCV100	876	420	215	578	29	3
150	SCV150, SDCV150	1105	570	250	765	54	4
100	SCV100G, SDCV100G	876	420	215	578	29	3
150	SCV150G, SDCV150G	1105	570	250	765	54	4



Flow Characteristics



Materials

Valve Body:	Ductile Iron
Access Cover:	Ductile Iron
Polymers:	Noryl™, NSF Listed
Elastomers:	Silicone Buna-n (FDA approved)
Springs:	Stainless Steel
Coating:	FDA approved fusion epoxy

Product Specifications

Maximum working pressure:	1200 kPa
Maximum working temperature:	60°C
Hydrostatic Test Pressure:	2400 kPa
End Connections:	Table E AS2129
Flanged:	Table E AS2129
Grooved:	AWWA C606