

## SLC Series Spring-Loaded Y-Check Valves

1/2" TO 4" PVC

### KEY FEATURES

- Available in PVC
- Full Flow Design
- Closes with No Back Pressure
- Adjustable – Opens From 2 to 15 PSI
- Easy Maintenance
- Opens in Any Position

### OPTIONS

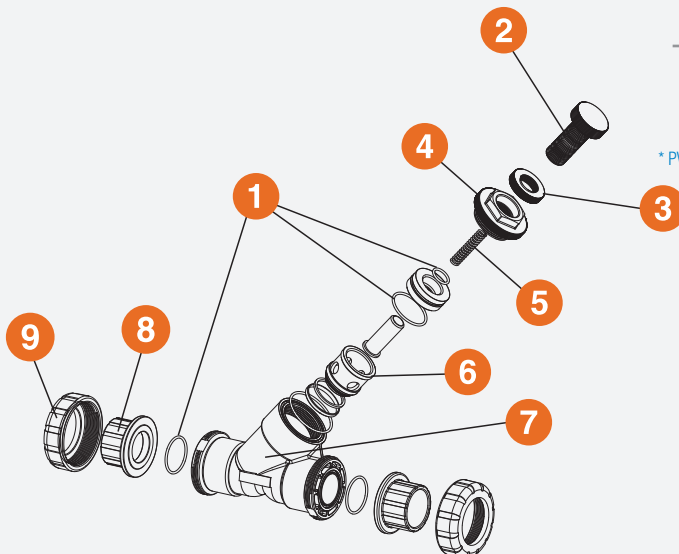
- True Union End Connections

### MATERIALS

- PVC Cell Class 12454 per ASTM D1784
- FPM and EPDM O-Ring Seals

## TECHNICAL INFORMATION

### EXPLODED VIEW



### SELECTION CHART

SIZE	MATERIAL	END CONNECTION	SEALS	PRESSURE RATING
1/2" – 4" (DN15 – DN100)	PVC	Socket, Threaded or True Union	FPM or EPDM	150 PSI @ 70°F 10 Bar @ 21°C Non-Shock

\* PVC and CPVC socket ends available to ISO 727-1 and threaded ends to BS21.

Brisbane, Australia  
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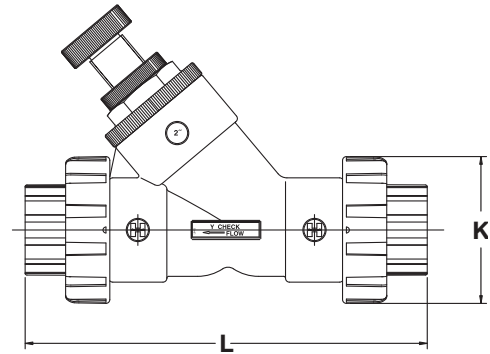
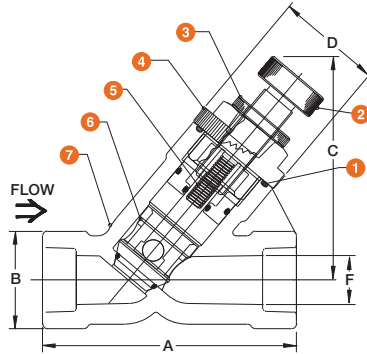


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## TECHNICAL INFORMATION, CONTINUED

### PARTS LIST

1. O-Ring Seal
2. Adjustment Screw
3. Lock Nut
4. Hex Cap
5. Spring
6. Cartridge Assembly
7. Body
8. End Connector (True Union)
9. Assembly Nut (True Union)

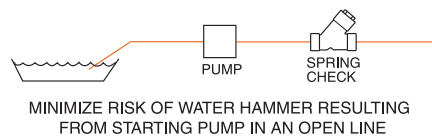
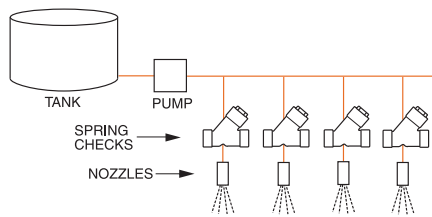
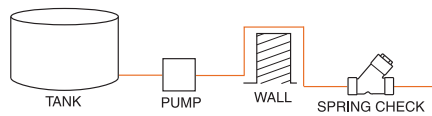


### DIMENSIONS

SIZE in / DN	A in / mm	B in / mm	C in / mm	D in / mm	F in / mm	K in / mm	L in / mm	WEIGHT lbs / kg SOC / THD
1/2 / 15	6.19 / 158	2.00 / 51	4.58 / 116	2.13 / 54	1.00 / 25	2.25 / 57	6.64 / 169	0.88 / 0.40
3/4 / 20	6.19 / 158	2.00 / 51	4.58 / 116	2.13 / 54	1.00 / 25	2.63 / 67	7.42 / 188	0.88 / 0.40
1 / 25	5.19 / 132	2.00 / 51	4.58 / 116	2.13 / 54	1.00 / 25	3.00 / 76	8.97 / 228	0.88 / 0.40
1-1/2 / 40	8.63 / 219	3.38 / 86	7.28 / 185	3.75 / 95	2.00 / 51	4.75 / 121	12.07 / 307	3.00 / 1.36
2 / 50	7.63 / 194	3.38 / 86	7.28 / 185	3.75 / 95	2.00 / 51	4.75 / 121	13.05 / 331	3.00 / 1.36
3 / 80	10.31 / 262	4.69 / 119	8.88 / 226	5.25 / 133	2.94 / 75	6.40 / 163	16.77 / 426	7.50 / 3.40
4 / 100	12.75 / 324	5.75 / 146	10.08 / 256	6.00 / 152	3.81 / 97	8.56 / 217	21.23 / 539	9.50 / 4.31

Dimensions are subject to change without notice – consult factory for installation information

### TYPICAL APPLICATIONS



### Cv VALUES

SIZE in / DN	Cv VALUES	SIZE in / DN	Cv VALUES
1/2 / 15	0.8	2 / 50	65.0
3/4 / 20	3.0	3 / 80	110.0
1 / 25	9.0	4 / 100	240.0
1-1/2 / 40	45.0		

### PRESSURE LOSS CALCULATION FORMULA

$$\Delta P = \left[ \frac{Q}{C_v} \right]^2$$

$\Delta P$  = Pressure Drop  
 $Q$  = Flow in GPM  
 $C_v$  = Flow Coefficient

### OPERATING TEMPERATURE/PRESSURE

