

FOOT VALVE

SCI Foot Valves is basically a check valve fitted to the end of a section pipe leading to a pump. Its purpose is to keep fluid in the section pipe when the pump stop, thus maintaining a suitable prime for the pump when the pump restarts, the suction created opens the valve, giving flow to the pump inlet.

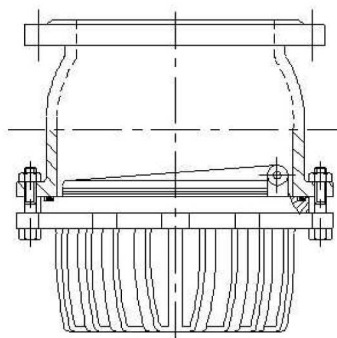


Fig. 073



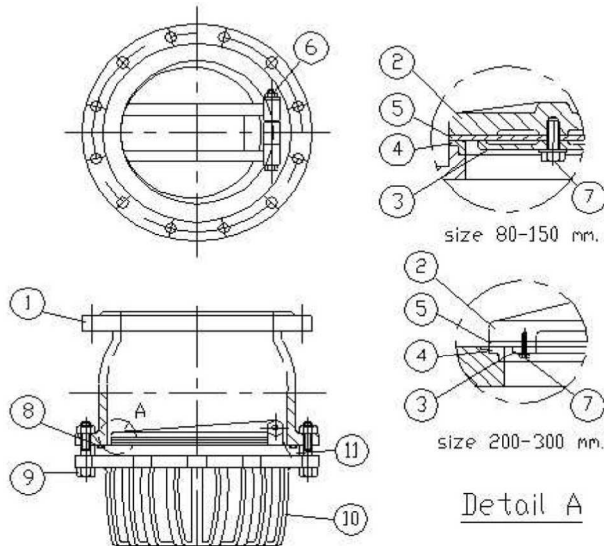
FEATURES

- Operated in vertical installation.
- Cast iron construction.
- Metal seat and resilient seat can be provided.
- Replaceable seat.
- Optional fusion bonded epoxy.
- Synthetic seating ring provides a drop tight seal.

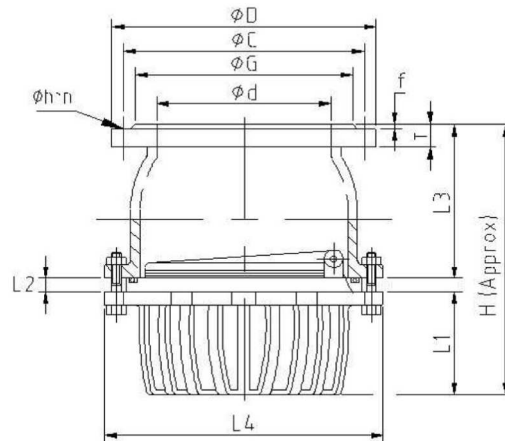
DESIGN SPECIFICATIONS

- Size: 80 mm to 600 mm
- Working pressure: 6, 10, 16 Bar
- Working temperature: up to 70°C
- Application fluid : water, sea water, oil, sewage
- Fusion bonded epoxy coating. Other coatings are available.

DIMENSIONS AND MATERIALS



NO.	PARTS	MATERIAL
1	Body	Cast Iron
2	Disc	Cast Iron
3	Seat Holder	Cast/Ductile Iron
4	Body Seat Ring	Gunmetal
5	Disc Seat Ring	Rubber/Gunmetal
6	Bolt & Nut	Stainless Steel
7	Seat Holder Bolt	Stainless Steel
8	O-Ring	Rubber
9	Body Bolt & Nut	Galvanized Steel
10	Strainer	Ductile Iron
11	Plate Seat	Ductile Iron



SIZE	FLANGED BS. EN1092-2 PN.10							FLANGED BS. EN1092-2 PN.16							L1	L2	L3	L4	H
ϕd	ϕD	ϕC	ϕG	ϕh	n	T	f	ϕD	ϕC	ϕG	ϕh	n	T	f					
80	200	160	132	19	8	22	3	200	160	132	19	8	22	3	78	12	120	234	210
100	220	180	156	19	8	24	3	220	180	156	19	8	24	3	88	12	140	254	240
150	285	240	211	23	8	26	3	285	240	211	23	8	26	3	120	16	195	336	331
200	340	295	266	23	8	26	3	340	295	266	23	12	30	3	142	20	240	413	402
250	395	350	319	23	12	28	3	400	355	319	28	12	32	3	174	25	290	479	489
300	445	400	370	23	12	28	4	455	410	370	28	12	32	4	200	30	340	580	570
350	505	460	429	23	16	30	4	520	470	429	28	16	36	4	230	30	390	640	650
400	565	515	480	28	16	32	4	580	525	480	31	16	38	4	266	40	450	728	756
500	670	620	582	28	20	34	4	715	650	609	34	20	42	4	328	47	550	887	1021
600	780	725	682	31	20	36	5	840	770	720	37	20	48	5	408	50	650	1000	1108



SCI CORPORATION Co.,Ltd.

Factory: 1/12 Moo 2, Samutsakorn Industrial Estate, Soi 7,
 Rama 2 Road, Tahsai, Muang, Samutsakorn 74000, Thailand
 Tel: (6634)440-130 Fax. (6634)440-137 E-mail: sci@scivalve.com



ISO 9001:2015
 File No.438881 QM
 ISO 14001:2015
 File No.438881 UM