

The Series 641/11 is a single door, recoil, swing check valve. Designed for high velocity systems with rapid return flow, suitable for use with potable water, raw water and sewage, to a maximum temperature of +70°C.

Features:

- Metal seated valve with gunmetal body seats and gunmetal faced doors.
- Fusion bonded epoxy coating. (up to DN 300)
- Non slam operation.
- No additional damping required.
- By-pass bosses.
- Minimum head loss.

Options:

- Size range DN100 - 1600mm. (For sizes DN600-1600mm refer to Series 641/21).
- By-pass.
- Limit/proximity sensors.
- Alternative trims.
- PN25 version



TESTS AND STANDARDS

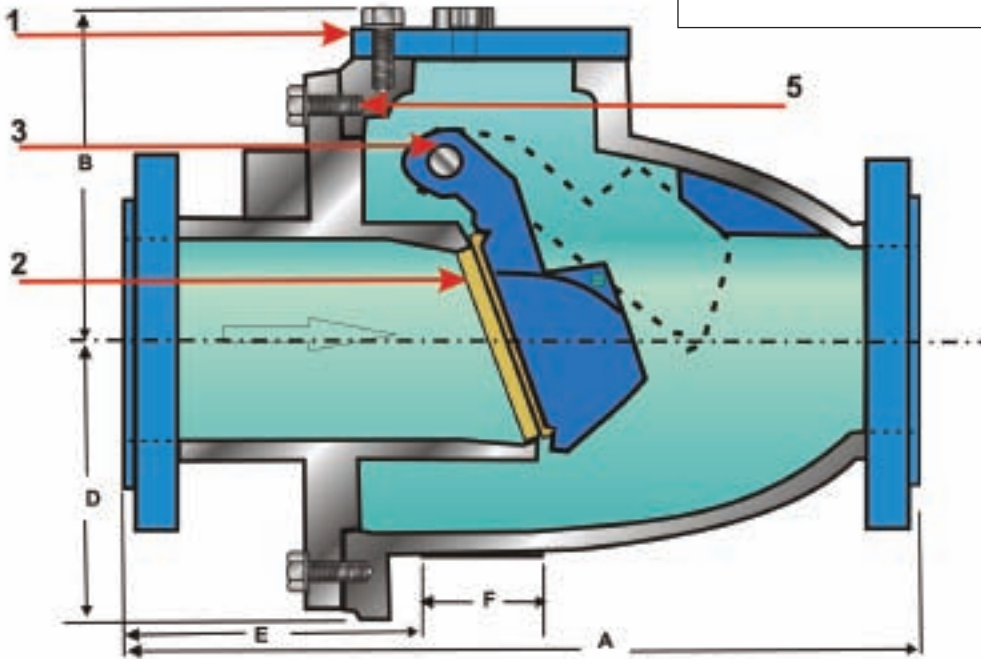
Hydrostatic test.
 Seat: 1.1 x PN Body: 1.5 x PN
 WRAS approved materials.
 Flanges and drilling to BS EN 1092-2.

SERVICE CONDITIONS

Maximum Working Pressure: 16 bar.
 Temperature Range: -10°C to +70°C. Insulation essential for temperatures of 0°C and below.

MATERIALS OF CONSTRUCTION

No.	DESCRIPTION	MATERIAL
1	Body, Doors & Covers	Ductile iron BS EN 1563 GR500/7
2	Body and Door Seats	Gunmetal BS EN 1982 CC491.K
3	Spindles	Stainless steel to EN 10088 1.4305.
4	All Seals	EPDM.
5	Fasteners	Zinc plated carbon steel.



DIMENSIONS, WEIGHTS & FLOW

Ref no.	DN (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Bypass Dia	Weight (kg)	Flow Capacities @	
										3 m/sec (ltr/sec)	4 m/sec (ltr/sec)
641 010011100000	100	495	210	311	159	202	100	19	81	25	40
641 012511100000	125	559	210	311	159	233	100	19	85	39	62
641 015011100000	150	610	260	412	210	245	130	19	154	56	89
641 020011100000	200	762	343	533	273	280	150	19	290	99	158
641 025011100000	250	965	387	620	315	354	230	25	447	155	247
641 030011100000	300	1067	426	683	347	390	230	38	612	222	357
641 035011100000	350	1143	464	819	457	394	305	50	975		
641 040011100000	400	1143	464	819	457	394	305	50	1044		
641 045011100000	450	1219	546	978	571	508	406	80	1446		
641 050011100000	500	1321	635	1137	660	546	457	80	1950		

C = Maximum width of body.