

The Series 41/20 is a resilient seated swing check valve, suitable for use with potable water, raw water and sewage, to a maximum temperature of +70°C.

Features:

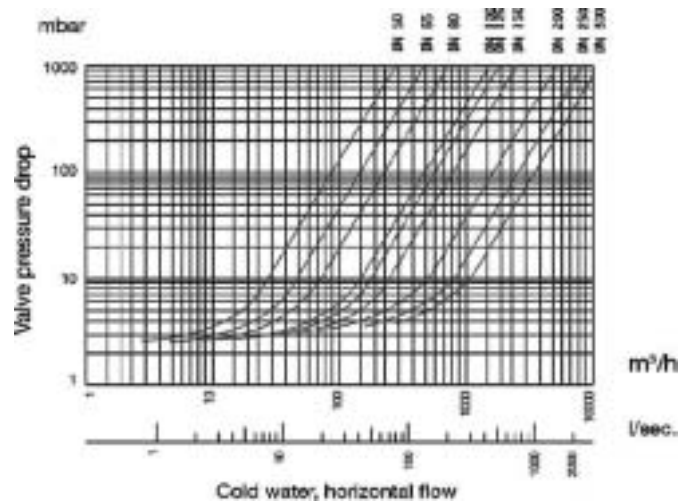
- Resilient seated disc.
- Lightweight design.
- Pre-fitted extended spindle.
- Highly adaptable lever and weight system.
- 5 By-pass bosses.
- Cross sectional flow area greater than 90%.
- Easily maintained.
- Corrosion resistant
- Size range DN50 - 300

Options:

- Lever and weight*, mounted RHS as standard, can be mounted LHS on request.
- Spring assisted closure.
- Lever and weight guard.#
- Limit/proximity switch actuation kit.
- Priming by-pass.
- Priming device.

* NB. Should always be used when valve is orientated vertically.

It is a requirement of the HSE Machinery Directive that guards are fitted to cover Levers & Weights when utilised.



The designs, materials and specifications shown are subject to change without notice due to our continuing programme of product development.

SERVICE CONDITIONS

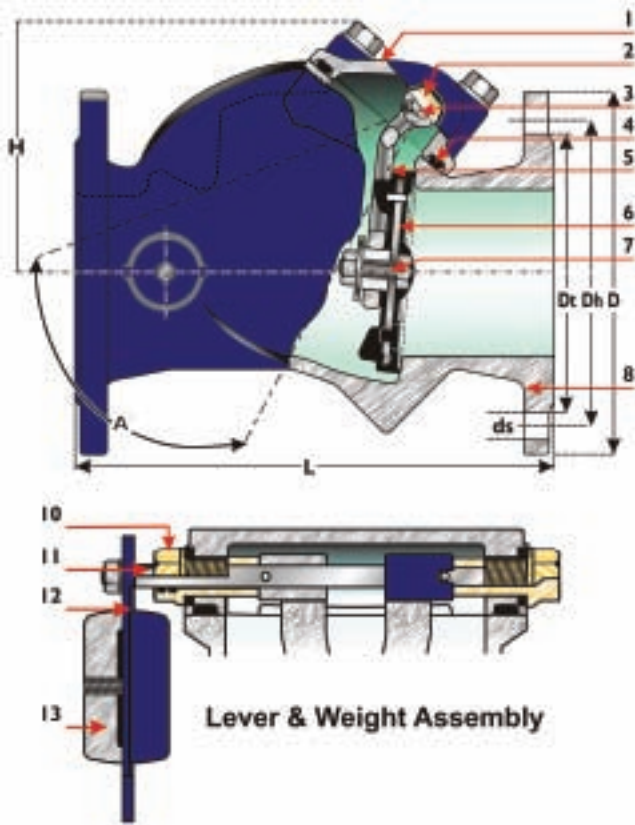
Maximum Working Pressure: 16 bar. (1.6 Mpa)
 Temperature Range: -10°C to +70°C. Insulation essential for temperatures of 0°C and below.

TESTS

Hydrostatic test to BS 5153 EN 1074-3
 Seat: 1.1 x PN (PFA) Body: 1.5 x PN (PFA)

MATERIALS OF CONSTRUCTION

No.	DESCRIPTION	MATERIAL
1	Bonnet Assembly	Ductile iron BS EN 1563 EN-GJS-500-7 complete with bolts and washers DIN 931-A2
2	Bushing	DZR brass to BS EN 12164, CW 602 N. (CZ132)
3	Spindle	Stainless steel to BS EN 10088-1 No. 1.4021
4	Body/Bonnet	Seal EPDM. ESW-70
5	Hinge	Up to DN 200 stainless steel AISI 316 (A4) DN 250/300 Ductile iron BS EN 1563 EN-GJS-500-7
6	Disc Assembly	DN 50 - 200mm, Steel to DIN 47100 Gr 40 - 2 fully encapsulated with EPDM. ESW-70. DN 250 - 300mm Ductile Iron to BS EN 1563 EN GJS 500-7 fully encapsulated with EPDM. ESW-70.
7	Nut & Bolt	Stainless steel A2
8	Body	Ductile iron BS EN 1563 EN-GJS-500-7.
9	Body Seat	N/A
OPTIONAL LEVER & WEIGHT ASSEMBLY		
10	Bushing	DZR brass to BS EN 12164, CW 602 N complete with 3 NBR O rings.
11	Extended Spindle	Stainless steel to BS EN 10088-L No. 1.4021
12	Lever	Ductile Iron BS EN 1563 EN-GJS-7
13	Weight	Grey cast iron, BS EN 1561. EN-GJL-250
	Coating	Electrostatically applied blue epoxy tested to WIS 4-52-01. Epoxy powder WRAS listed.



APPLICABLE STANDARDS

To BS 5153 : 1974 (1991). BS EN 1074-3. Resilient seated. Face to face dimension to BS 5153 : 1974 (1991) short. (BS EN 12334-2001) WRAS Listed Flanges and drilling to BS EN 1092-2.

DIMENSIONS & WEIGHTS

Ref Nos.	DN	L mm	H mm	Dt mm	D	Dh		ds		Holes no.	A°	Weight Kilos
						PN10	PN16	PN10	PN16			
41-0502X0180000	50	203	110	102	165	125	19	4	60°	13		
41-0652X0180000	65	216	120	122	185	145	19	4	63°	17		
41-0802X0180000	80	241	140	138	200	160	19	8	66°	16		
41-1002X0180000	100	292	150	158	220	180	19	8	68°	21		
41-1252X0180000	125	330	180	188	254	210	19	8	68°	35		
41-1502X0180000	150	356	195	212	285	240	23	8	70°	38		
41-2002X0180000	200	495	230	268	340	295	23	8	12	73°	66	
41-2502X0180000	250	622	270	320	406	350	355	23	28	12	76°	132
41-3002X0180000	300	698	300	370	482	400	410	23	28	12	80°	187

When Ordering: X = 0 for free end shaft or 2 for lever & weight right side or 3 for lever & weight left side.