



UNIMECH GROUP, MALAYSIA



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Single-Plate WAFER TYPE CHECK VALVE

ARV-WPU440121-



The swing type wafer check valve incorporates several features distinguishing it from conventional check valves for silent, fast and non slam operations. Its short face to face structure dimensions and light weight guarantee a simple and spacing installation between the bolts of the connecting flanges. The metal to metal disc is shaped optimized to achieve a fully open position at low flow rate. The hinge pin design assures free movement of the disc and eliminates seizure under extreme conditions



Dimensions in mm

SIZES		A	B	ØC	ØD	H	h	V	Cv	WT (KG)
DN	In.									
50	2	43	49	34	101		55.5	14.0	35	1.6
65	2 1/2	46	52	43	121		60.5	30.0	43	2.3
80	3	64	70	53	129		67.5	29.5	64	3.4
100	4	64	70	77	156		85.0	50.0	156	4.8
125	5	70	76	96	187	160	124.0	64.5	223	7.5
150	6	76	82	121	213	173	137.0	88.0	375	10.4
200	8	89	95	164	267	205	169.0	109.0	671	17.8

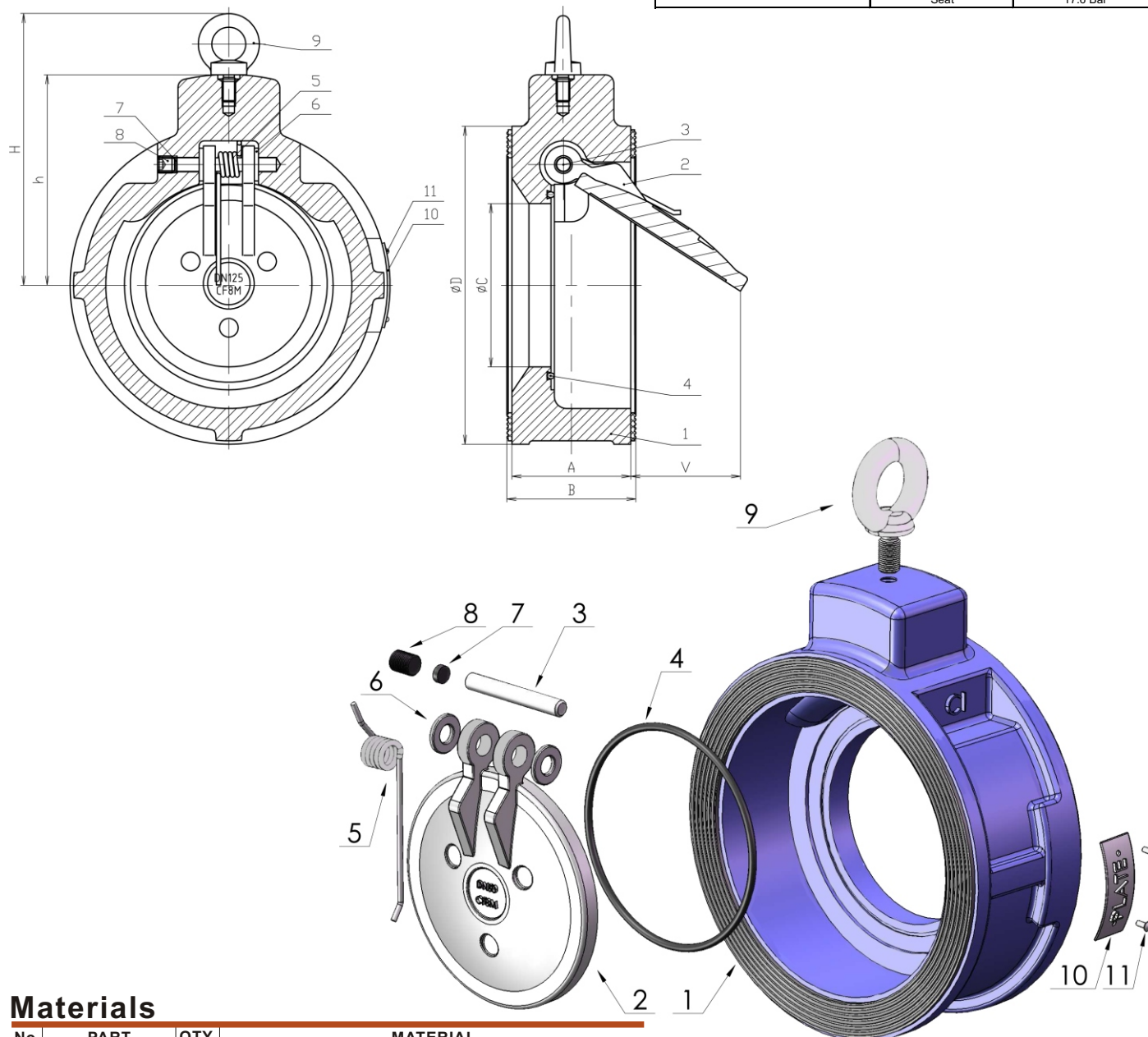
Note : Cv = US Gallon per minutes

Working Temperature

Temperature °C	-15 ~ 140	-10 ~ 80	-20 ~ 150
Seat Material	EPDM	NBR	VITON

Pressure Test

Working Pressure	Hydrostatic Test	
16 Bar	Body	24 Bar
	Seat	17.6 Bar



Materials

No.	PART	QTY.	MATERIAL
1	BODY	1	CAST IRON / DUCTILE IRON / WCB / CF8 / CF8M
2	DISC	1	CF8 / CF8M / DUCTILE IRON / C954
3	STEM	1	SS416 / SS316
4	O' RING	1	NBR / EPDM / VITON
5	SPRING	1	SS304 / SS316 / SS730
6	WASHER	2	PTFE
7	STEM WASHER	1	NBR / EPDM / VITON
8	SET SCREW	1	ASTM 1045 / SS304
9	EYE BOLT	1	CARBON STEEL
10	NAMEPLATE	1	ALUMINIUM
11	RIVET	2	ALUMINIUM

Standard:

Face to Face	: BS EN558-1
Flange Connection	: ANSI B16 125/150 EN1092-1 PN10/16 JIS B2220 10K
Test Standard	: BS EN 12266-1 / API 598

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