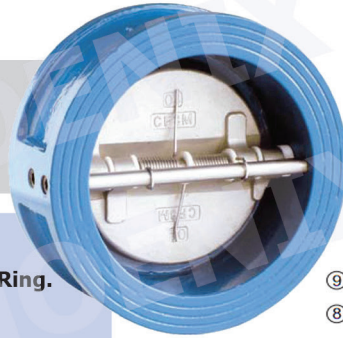


DUAL PLATE CHECK VALVE

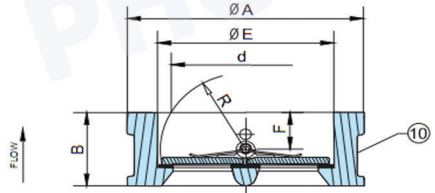
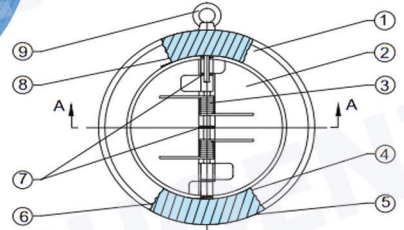
Cast Iron

Model : DD-9



Operating Temperature :
130°C 266°F for EPDM O-Ring.

**Connection : JIS10K,
ANSI150P, PN10/16**



Materials

NO.	Partname	Material
1	Body	GG25 Cast Iron
2	Disc	Stainless 304
3	Stem	Stainless 304
4	Spring	Stainless 304
5	Washer	PTFE
6	Washer	PTFE
7	Gasket	EPDM
8	Hex Nut	A193A

Dimension

mm

Size		B	E	F	R	d	A	
IN	DN						DIN PN10/16	ANSI 150
2	50	43	65	19	28.8	43.3	107	102
2 1/2	65	46	80	20	36.1	60.2	127	121
3	80	64	94	28	43.4	66.4	142	133
4	100	64	117	27	52.8	90.8	162	171
5	125	70	145	30	65.7	116.9	192	193
6	150	76	170	30	78.6	144.6	218	219
8	200	89	224	31	104.4	198.2	273	276
10	250	114	265	33	127	233.7	328	336
12	300	114	310	50	148.3	283.9	378/382	406
14	350	127	360	43	172.4	332.9	438/442	448
16	400	140	410	45	197.4	381	488/495	511
18	450	152	450	52	217.8	419.9	538/555	546
20	500	152	505	58	241	467.8	592/617	603
24	600	178	624	73	295.4	572.6	695/734	714
28	700	229	720	98	354	680	809	828
32	800	241	825	100	398	770.5	916	936

Material Properties

MATERIAL TYPE	MATERIAL PROPERTY
GG25 Cast Iron	Tensile strength = 250-350 N/mm2 Hardness = Max. 250 Brinell (BHN)
GGG40 Ductile Iron	Tensile strength = 400-550 N/mm2 Hardness = Max. 135-185 Brinell (BHN)
Stainless Steel DIN 1-4086	C = 0.90 - 1.3 Si Max. = 2Mn Max. = 1 Cr = 27 - 30
Stainless Steel SAE-304	C max = 0.08 Si Max. = 1 Mn Max. = 2 Cr = 18-20 Ni = 8-10.5
Stainless Steel SAE-316	C max = 0.08 Si Max. = 1 Mn Max. = 2 Cr = 16-18 Ni = 10-14
PTFE	Density = 2.13-2.23 gr/cm3 Tensile strength = 250-300 kg/cm2
PTFE (25% Carbon)	Operation Temperature = -85°C / +200°C 392°F Density = 2.1-2.2 gr/cm3 Tensile strength = 165-170 kg/cm2
Graphitic Ring	Graphite purity = %98 Density = min. 1.6gr/cm3
S37	C = < 0.2 P Max. = 0.06 S Max. = 0.05 Tensile strength = 360-440 N/mm2
Steel (1030)	C = 0.30 P Max. = 0.06 S Max. = 0.06 Tensile strength = 490 N/mm2