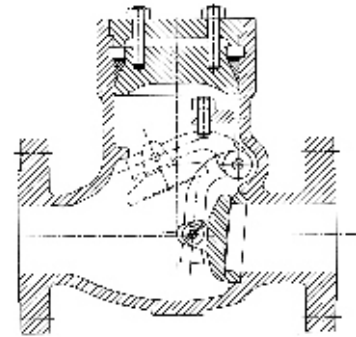
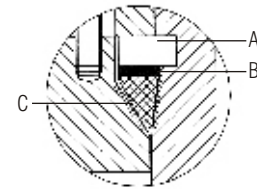


CAST STEEL PRESSURE SEAL COVER**Features**

- ▶ Hawa Valves Pressure Seal Check Valves have been designed to meet the requirements of BS 1868/ASME B 16.34
- ▶ Face to Face and End to End dimensions conform to ASME B 16.10 / ISO 5752 / BS 2080 / DIN
- ▶ End flange dimensions conform to ASME B 16.5 / ISO 7005-1 / API 605 / BS 3293 / DIN
- ▶ Butt weld end dimensions conform to ASME B 16.25
- ▶ The Seat-rings are satellite faced cylindrical bottom seated type having ample cross section for strength are securely welded in place
- ▶ The gasket design ensures self sealing under pressure
- ▶ The inner row of studs establish the initial seal of the Pressure seal joint
- ▶ Valves meet the requirements of fugitive emission levels Shell category B as per MESC SPE 77/312

**Options**

- ▶ Tilting disc design available
- ▶ Check Valves can be supplied with counter weight or dash pot arrangement
- ▶ Full opening, piggable design available
- ▶ Can be supplied with GRAYLOC END HUB, under project license from GRAYLOC PRODUCTS®, UK.



- A Back Up Ring** : Absorbs thrust applied by internal pressure
- B Thrust Ring** : Protects the soft metallic gasket from deformation
- C Gasket** : Unique angular design provides superior sealing

Materials

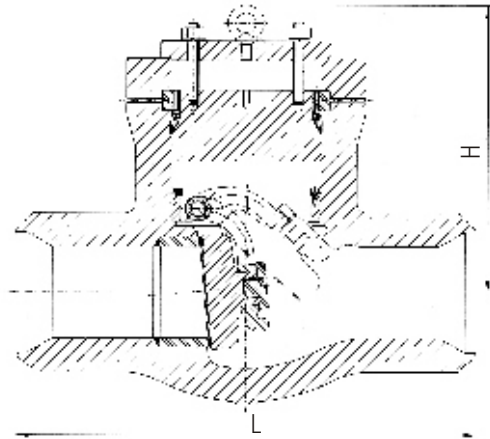
Part Name	Material Option
Body	ASTM A 216 WCB / A 217 WC6 / A 217 WC9 / A 217 C5 / A 217 C12 / A 351 CF8 / A 351 CF8M / A 351 CF3 / A 351 CF3M / A 352 LCB
Cover	ASTM A 216 WCB / A 217 WC6 / A 217 WC9 / A 217 C5 / A 217 C12 / A 351 CF8 / A 351 CF8M / A 351 CF3 / A 351 CF3M / A 352 LCB
Disc[@]	ASTM A 216 WCB / A 217 WC6 / A 217 WC9 / A 217 C5 / A 217 C12 / A 351 CF8 / A 351 CF8M / A 351 CF3 / A 351 CF3M / A 352 LCB
Hinge	ASTM A 216 WCB / A 217 WC6 / A 217 WC9 / A 217 C5 / A 217 C12 / A 351 CF8 / A 351 CF8M / A 351 CF3 / A 351 CF3M / A 352 LCB
Hinge Bracket	ASTM A 216 WCB / A 217 WC6 / A 217 WC9 / A 217 C5 / A 217 C12 / A 351 CF8 / A 351 CF8M / A 351 CF3 / A 351 CF3M / A 352 LCB
Hinge Pin	ASTM A 276 410 / A 276 304 / A 276 304L / A 276 316L
Seat Rings[@]	ASTM A 216 WCB / A 217 WC6 / A 217 WC9 / A 217 C5 / A 217 C12 / A 351 CF8 / A 351 CF8M / A 351 CF3 / A 351 CF3M / A 352 LCB
Back Up Ring	ASTM A 216 WCB / A 351 CF8 / A 351 CF8M
Thrust Ring	ASTM A 216 WCB / A 351 CF8 / A 351 CF8M
Disc Nut	Carbon Steel / Stainless Steel
Washer	Carbon Steel / Stainless Steel
Gasket	Soft Iron / SS 304 / Graphoil
Studs / Bolts	ASTM A 193 Gr B7 / A 193 Gr B7M / A 193 Gr B8 / A 193 Gr B8M / A 320 Gr L7
Nut	ASTM A 194 Gr 2H / A 194 Gr B7M / A 194 Gr B / A 194 Gr 8M / A 194 Gr 4/7

* Valves are available in Duplex & Super Duplex Stainless Steel and Nickel Aluminium Bronze. Please indicate Trim required and ask for individual technical data sheets provided separately for these special materials.

@ CS & Alloy Steel Wedges and Seat Rings will be overlaid with 13% CR. or STELLITE 6 as per customer specifications.

* Compliant to NACE MR-0175 (2002)

CAST STEEL PRESSURE SEAL COVER



Dimensions

ISO PN 110 / ASME 600 Class

Size DN	50	65	80	100	125	150	200	250	300	350	400	450	500
L	292	330	355	431	508	558	660	787	838	889	991	1092	1194
L1 - SP	178	216	254	304	381	457	584	711	812	889	991	1092	1194
H (approx)	240	265	275	325	370	425	500	555	610	725	755	850	925
Wt. (approx) kg	20	38	45	70	95	125	220	330	505	595	800	1150	1600

ISO PN 150 / ASME 900 Class

Size DN	50	65	80	100	125	150	200	250	300	350	400	450
L	368	419	381	457	559	609	736	838	965	1029	1130	1219
L1 - SP	368	254	305	355	432	508	660	787	914	991	1092	1219
H (approx)	250	280	290	335	380	440	510	570	620	730	790	860
Wt. (approx) kg	44	57	75	105	140	230	440	590	870	1085	1225	1700

ISO PN 260 / ASME 1500 Class

Size DN	50	65	80	100	125	150	200	250	300	350	400
L	368	419	470	546	673	705	832	991	1130	1257	1384
L1 - SP	216	254	305	406	483	559	711	864	991	1067	1194
H (approx)	265	295	310	345	385	460	515	590	645	765	800
Wt. (approx) kg	65	72	80	125	160	300	525	960	1130	1450	2100

ISO PN 420 / ASME 2500 Class

Size DN	50	65	80	100	125	150	200	250	300
L	451	508	578	673	794	914	1022	1270	1422
L1 - SP	279	330	368	457	533	610	762	914	1041
H (approx)	280	310	325	370	425	500	525	630	695
Wt. (approx) kg	78	95	110	205	395	495	900	1300	1950

** Abbreviation : SP - Short Pattern

