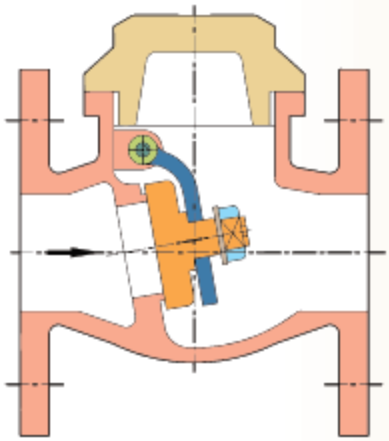
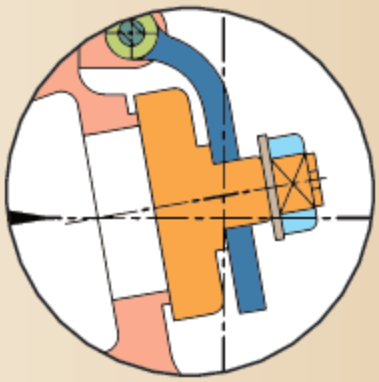
GUN METAL/BRONZE

SWING CHECK VALVE

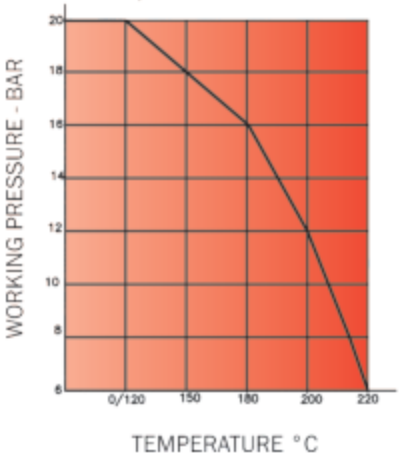


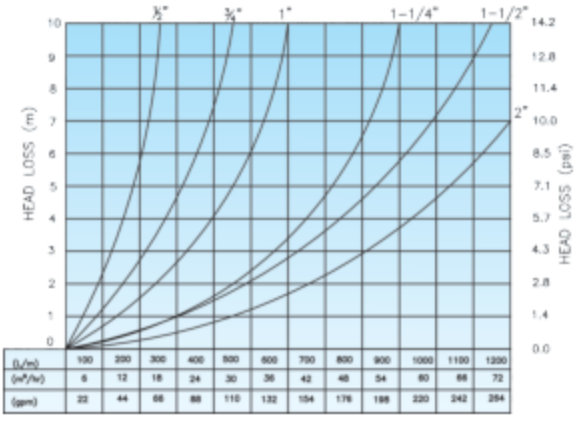
BODY	1	
DISC	2	
HINGE	3	
HINGE PIN	4	
COVER	5	
DISC NUT	6	
WASHER	7	

- **Item Code:** GM047
- **Pressure Rating:** CL-150
- **Testing Standard:** BSEN 12266 PART-1
- **Size Range:** 15mm to 100mm
- **Product Standard:** Mfg. Standard



PRESSURE/TEMPERATURE DIAGRAM



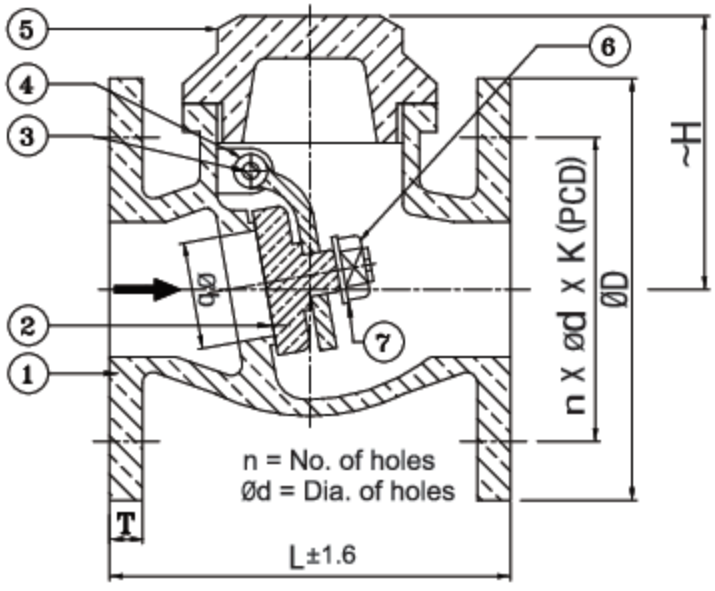


(L/m)	100	200	300	400	500	600	700	800	900	1000	1100	1200
(m^3/hr)	6	12	18	24	30	36	42	48	54	60	66	72
(gpm)	22	44	66	88	110	132	154	176	198	220	242	264

Note : The above data is subject to change without notice due to our continuing product improvement program.

PRINCIPAL FEATURES:

- Screwed in cover.
- Gun Metal / Brass working parts, integral seat.
- Metal to metal seating.
- Flanged ends as per BS:10 Table 'F'.
- Permit flow in one direction and closes automatically if the flow reverses.
- Suitable for both horizontal & vertical installation.
- Also available with Rubber / PTFE Seating for Air and Gas applications at an extra cost.



END CONNECTION:

- Flanged ends as per BS:10 table 'F'.
- Flange drilling as per other standards also available upon request at an extra cost.

UTILISATION & SERVICE

- "LEADER" Gun Metal Swing Check valves are suitable for above-ground installations.
- Best suited for hot & cold water, neutral liquids.

WORKING PRESSURE

- Maximum Working Pressure: 20 Bar.
- See Pressure / Temperature Diagram.

TEMPERATURE LIMITS:

- Maximum working temperature: 225°C.
- See Pressure / Temperature Diagram.

PRESSURE RATING: Class-150

TEST PRESSURE (Hydrostatic)	
BODY	SEAT
30 Bar (g)	22 Bar (g)

SUITABLE FOR

Water	Oil	Air	Steam
✓	✓		

DIMENSIONAL DATA

SIZE (mm)	15	20	25	32	40	50	65	80	100
L	83	89	102	112	124	144	169	178	217
~H	50	62	67	75	85	85	110	120	165
Øb	13	19	25.5	32	38	51	63.5	76	101.5
ØD	95.3	101.6	120.7	133.4	139.7	165.1	184.2	203.2	228.6
T	7.9	7.9	9.5	9.5	11.1	11.1	12.7	14.3	17.5
K	66.7	73	87.3	98.4	104.8	127	146.1	165.1	190.5
n	4	4	4	4	4	4	8	8	8
Ød	14.3	14.3	17.5	17.5	17.5	17.5	17.5	17.5	17.5
Item Code	GM 047	GM 047	GM 047	GM 047	GM 047	GM 047	GM 047	GM 047	GM 047

MATERIAL SPECIFICATION

P.No.	NAME OF PART	MATERIAL	SPECIFICATION
1	BODY	GUN METAL	BSEN 1982 Gr.CC491K
2	DISC	GUN METAL	BSEN 1982 Gr.CC491K
3	HINGE PIN	BRASS ROD	BS 2872 OR 2874 CZ114
4	HINGE	GUN METAL	BSEN 1982 Gr.CC491K
5	COVER	GUN METAL	BSEN 1982 Gr.CC491K
6	DISC NUT	BRASS ROD	BS 2872 OR 2874 CZ114
7	WASHER	BRASS / GUN METAL	BS 2872 OR 2874 CZ114 / BSEN 1982 Gr.CC491K

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