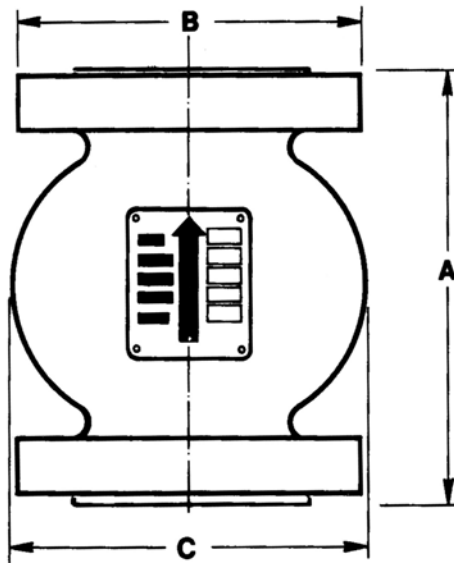


# CLASS 125 & 250 CAST IRON BODY GLOBE TYPE CHECK VALVE

**MODELS:**            **F105-MAP**  
                               **F107-MAP**

PRESSURE - TEMPERATURE RATINGS		
F105-MAP	WOG: 2" to 12"	200 psi @ 150° F
	WOG: 14" to 24"	150 psi @ 150° F
F107-MAP	WOG: 2" to 12"	500 psi @ 150° F
	WOG: 14" to 24"	300 psi @ 150° F



**SERVICE RECOMMENDATIONS**

These check valves are designed for liquid or gas service in accordance with ANSI rated working pressures. Both models will prevent surge and water hammer because their internal spring will automatically close the disc when flow stops, before reversal occurs.

**FEATURES**

The disc is completely guided, both top and bottom. All sizes feature high lift discs which lift 1/3" per one inch of pipe size. The minimum open area through the valve is equal to 110% of the area of the corresponding pipe size. The internals are replaceable without the need for special tools.

**INSTALLATION**

Both models are effective either installed horizontally or vertically. However, if intended installation is vertical downward flow, please advise factory. In this case, a spring strong enough to support the weight of the disc and hold it to the seat must be provided.

**CONSTRUCTION**

The bodies of the F105-MAP & F107-MAP are constructed from Cast Iron ASTM A126, Grade B. The disc and seat are Bronze ATSM B62 (type 85-5-5-5). The seat is type 316 stainless steel. The guide pins & bushings are silicon bronze. Both models are also available with a stainless steel disc and seat. Either model is available with Bronze (ATSM B62) Carbon Steel (A216 Gr. WCB) or Stainless Steel (ATSM A351 Gr. CF8M) bodies.

Size	in.	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"
	mm.	50	65	80	100	125	150	200	250	300	350	400	450	500	600	750
A	F105MAP	6 1/4	7	7 1/2	8 1/2	9 1/2	10 1/2	13 1/2	16 1/4	20 1/4	22 3/4	24 3/4	22 1/2	24	24	30
	F107MAP	6 3/4	7 5/8	8 1/4	9 1/8	10 3/8	11 3/8	14	17	20 7/8	23 3/8	25 1/2	28	30 1/2	36	-
B	F105MAP	6	7	7 1/2	9	10	11	13 1/2	16	19	21	23 1/2	25	27 1/2	32	38 3/4
	F107MAP	6 1/2	7 1/2	8 1/4	10	11	12 1/2	15	17 1/2	20 1/2	23	25 1/2	28	30 1/2	36	-
C	F105MAP	4 5/8	5 1/2	6 1/4	8 5/8	10	11 1/8	14 5/8	17 3/8	21 3/4	24	26 3/8	29 5/8	32 3/4	37	42 1/2
	F107MAP	4 7/8	5 3/4	6 5/8	8 7/8	10 3/8	11 1/2	15	17 7/8	22 1/8	24 1/4	26 7/8	30	33 1/4	37	-
WT	F105MAP	20	24	32	56	74	95	178	265	454	598	840	892	1140	1540	1980
	F107MAP	24	28	446	76	134	144	242	367	672	725	1000	1238	1775	2500	-

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