

NON-RETURN VALVES

M SYSTEM with membrane

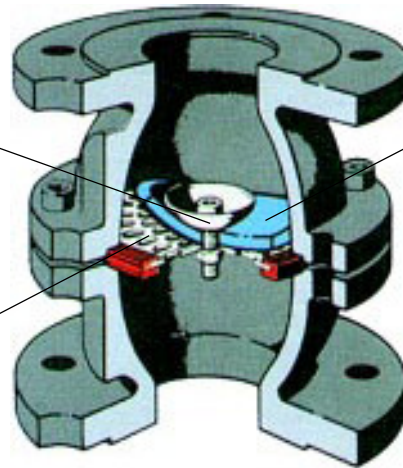


DN 3/8 英吋 8

No moving mechanical part closing system, a flexible membrane which changes shape with the flow, held at its centre on a perforated steel seat

Water-tightness ensured by the automatic closure of the membrane

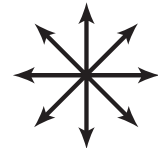
Valve seat, a steel polyamide coated grille allowing for equivalent to the nominal cross-section



The thickness and the elasticity of the membrane allow progressive opening and closing, particularly suitable for variable flow pumps and pulsatory operation

Several concentric membranes are used for wide membrane diameters. A thin-membraned version is available for special applications to gases, vacuums

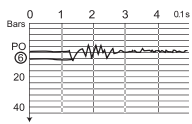
Installation



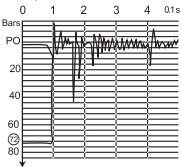
MATERIALS

CLOSING DYNAMIC CHARACTERISTICS

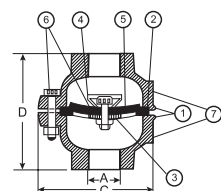
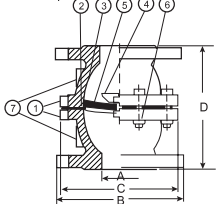
Hammering measured downstream of the valve, at the sudden cut-off of a pump. The check valve bearing a water column load of 100m.



Membrane check valve ø1 1/4" Overpressure 6 bars

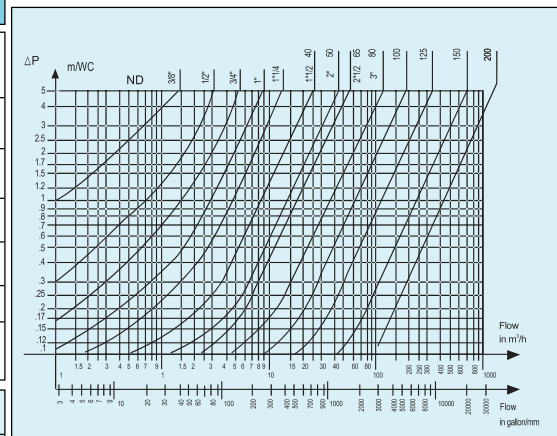


Traditional swing check valve ø1 1/4" Overpressure 7 bars



	FLANGED	407/447	407B	417
① Casing	THREADED	207		
② sealing ring	Themoplastic polyurethane	NBR		
③ seat	Nylon coated	DN ≤ 80Nylon coated steel DN ≥ 100Ptf coated steel	PTFE coated steel	
④ cupel	stainless steel coated membrane support			
⑤ membrane	Supple in natural rubber			
⑥ bolts & nuts	galvanized steel			
⑦ bosses	2 non-drilled bosses		2 drilled bosses with cap	2 non-drilled bosses
MAX. OPERATING PRESSURE	16	16/10	16/10	25
DRILLED FLANGES		PN10	PN10	PN25
TEMPERATURE	-10° +60°	-10° +60°	-10° +60°	-10° +60°

Headloss chart



Ref.	Ref.	Ref.	Ref.	A	B	C	D	Weight Kg	Weight Kg	Weight Kg
407B	417	447	447	mm	mm	mm	mm	407/407B	417	447
2164	1166	2054	-	40	150	140	151	7,2	7,2	7,2
2165	1167	2055	-	50	165	150	160	9,1	9,1	9,1
-	2163	-	-	60	185	170	176	10,8	-	-
2166	1168	2056	2842	65	185	170	178(178)*(240)**	10,8	10,8	15
2167	1169	2058	2843	80	200	212	198(199)*(260)**	16	16	24
2168	1170	2060	2844	100	220(235)*	234(245)*	215(339)*(300)**	25	25	28
2169	1171	2061	2845	125	250(270)*	250(274)*	230(335)*(350)**	30	30	34
2170	1172	2062	2846	150	285(300)*	324(341)*	270(411)*(400)**	44	44	58
2237	1173	-	2847	200	340	426	443(500)**	75	-	91

* for Type 417 **for Type 447

Ref.	A		C	B	Weight Kg
	Inch	mm			
2019*	3/8"	12/17	60	71,5	0,16
2100	1/2"	15/21	103	88,5	0,75
2101	3/4"	20/27	103	88,5	0,75
2102	1"	26/34	110	98	1
2103	1 1/4"	33/42	122	102	1,3
2104	1 1/2"	40/49	139	135	2,5
2105	2"	50/60	164	175	4,2
2106	2 1/2"	66/76	176	200	6
2107	3"	80/90	212	237	14

* aluminium

