

THREADED INTERNAL VALVES THESE VALVES ACT AS PRIMARY SHUT-OFF, EXCESS FLOW

Fisher offers the widest variety of threaded internal valves in the industry. The valves operate the same even though the body style or size may vary. While their most frequent use is in the liquid and vapor openings of bobtail and transport trucks, the valves can also be used in stationary storage tanks, complying with NFPA 58 requirements for protection of transfer hose or piping at bulk plants. The valves are designed with a safety feature that allows the shut-off assembly to remain intact in the event that the lower body is sheared off in an accident. These are steel and stainless steel construction throughout with total stainless steel construction available.

All Fisher internal valves are suitable for LP-Gas or NH₃ (ammonia) service. Special construction is available for other compressed gases. Threaded units have a compact one-piece body design. They can be actuated manually, by cable control, or with an air cylinder.

SPECIFICATIONS

Pressure Rating: 400 psig WOG

Temperature: Up to 150°F

Body: Ductile Iron—C471/C477
Cast Steel—C402/C407

Seat Discs: Synthetic Rubber

Stub Shaft & Stem: Stainless Steel



C407
C407 1 1/4" NPT valve is excellent for the main valve on small capacity pumping systems, in-line installations, and vapor lines on bobtail trucks that gives compliance with MC-331 specifications.



C477
C477 2" and 3" valves with straight through flow (one outlet) is the most economical unit in the series. It can be used on bobtail, transport, stationary tank and in-line installations.



C471
C471 internal valve with two outlets, bottom and side. The side outlet permits installing horizontal piping immediately adjacent to the tank. The C471 is used primarily on bobtails and transports.

CONNECTIONS	RMI PART NO.		CLOSING FLOW GPM		VAPOR CAPACITY	
	STRAIGHT BODY	TEE BODY	HALF COUPLING	FULL COUPLING	25 PSIG	100 PSIG
1 1/4" MNPT x 1 1/4" FNPT	C407-10-05	---	50	35	7800	13200
	C407-10-08	---	80	65	11200	19200
2" MNPT x 2" FNPT	C477-16-10	C471-16-10	100	60	22000	37600
	C477-16-15	C471-16-15	150	80	32000	54500
	C477-16-25	C471-16-25	250	130	---	---
3" MNPT x 3" FNPT	C477-24-16	C471-24-16	160	120	29200	49700
	C477-24-26	C471-24-26	265	230	44400	75400
	C477-24-37	C471-24-37	375	320	52600	89400
	C477-24-46	C471-24-45	460	380	81800	139000

FLANGED INTERNAL VALVES

These Valves are for Direct Pump Mounting

Fisher Flanged Valves provide a sturdy and compact means of direct pump or piping connection. Special stud bolts, weakened with a groove on the outside diameter, are furnished with the valves in order to help permit the pump or piping to shear off in the event of accident, leaving the valve intact. The valves can be activated manually, by cable control or with an air cylinder. All of the valves have an internal screen for pump protection which can be removed if the valve is used for filling.

SPECIFICATIONS

- Pressure Rating:** 400 psig WOG
- Temperature:** Up to 150°F.
- Body:** Cast Steel - WCB-C403/C404-24
Stainless Steel - C404-32
- Seat Discs:** Synthetic Rubber
- Stub Shaft & Stem:** Stainless Steel
- Gaskets:** Non-asbestos spiral wound graphite



C484-24
C484-24 Single flange unit that is widely used on bobtails with direct connected pumps. Another application for the C404-24 is on in-line installations.

C483-24
C483-24 double flange unit is intended for special truck applications where the pump must be lowered to clear the truck frame or other obstacles.

C404-32
C404-32 4" flanged units for transport trucks and large storage tanks. Valve operation can be accomplished by cable (C404-32), by air (C404A-32), or manually with a remote release device (C404M-32).

RMI Part No.					Tank Connection	Outlet Connection	UL Rated Closing Flow* GPM Propane
Single Flange Manual Oper.	Double Flange Manual Oper.	Cable Operation	Single Flange Air Operation	Manual Operation			
C484-24-16	C483-24-16	--	--	--	3" 300 lb. ANSI RF Mod. Flange (4 ¹³ / ₁₆ " dia.bore)	3" 300 lb. ANSI RF Flange	150
C484-24-25	C483-24-26	--	--	--			250/265
C484-24-40	C483-24-40	--	--	--			400
--	--	C404-32-400	C404A-32-400	C404M-32-400	4" 300 lb. ANSI RF Mod. Flange (5 ⁷ / ₈ " dia.bore)	4" 300 lb. ANSI RF Flange	400*
--	--	C404-32-600	C404A-32-600	C404M-32-600			600*
--	--	C404-32-800	C404A-32-800	C404M-32-800			800*

* Closing flow vertical-down.

FLOMATIC INTERNAL VALVE FILTERS



750804 Series Filter



ME709

RMI Part No.	Connections
750804	3/8" MFL x 1/4" MPT
ME709	1/4" FPT x 1/4" MPT

Valve Model	Flange Size	RMI Part No.			
		Top Gasket Valve/Tank	Bottom Gasket Pump/Valve	Studs	Nuts
C404/C484-24	3"	T13603T0012	1P877699152	1P790832982 (8)	1A368124112 (16)
C403/C483-24	3"	T13603T0012	300/0300	1N946228982 (16)	1A368124112 (16)
C404-32	4"	1P110799152	1P877699152	T1118131032 (8)	1A368124112 (16)
A7883FK	3"	A7883-29	300/0300	A7560-56 (8)-Tank/Valve (Studs/Nuts) A7884F-43 (8)-T Valve/Pump (Studs/Nuts)	

(PRE 1990 and later use 1P877799122. If unsure, order both. Gaskets are non-returnable.)