

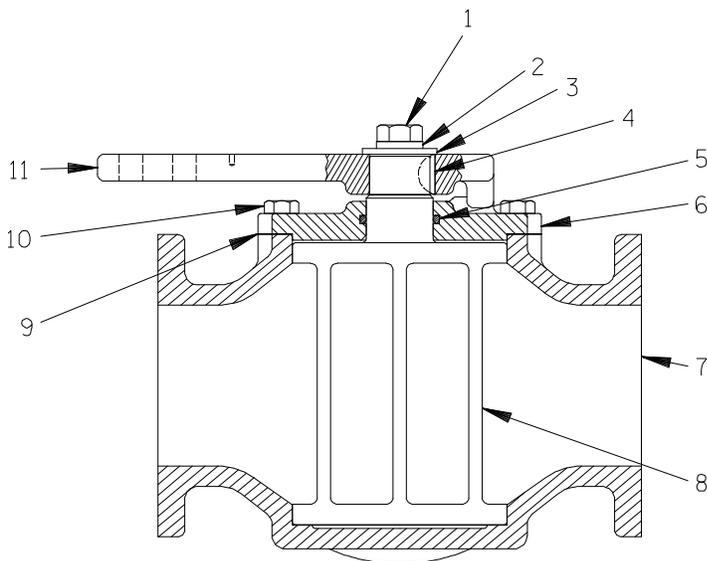
FUELING-DEFUELING (FDF) VALVE



Model 9048B

Size 4" x 3"

ITEM	DESCRIPTION	MATERIAL
1	HEX HEAD CAPSCREW	Standard Plated Steel
2	LOCKWASHER	Standard Plated Steel
3	FLAT WASHER	Standard Plated Steel
4	WOODRUFF KEY	Carbon Steel
5	O-RING	Buna-N
6	VALVE CAP:	Aluminum Alloy 356-T6
7	HOUSING:	Aluminum Alloy 356-T6
8	VALVE PLUG	Aluminum Alloy 356-T6
9	CAP GASKET	Cork With Nitrile Binder NC710
10	HEX HEAD CAPSCREW	Standard Plated Steel
11	HANDLE	Aluminum Alloy 356-T6



WARNING!
FDF valves are designed for flow directing only. DO NOT use as a positive sealing valve.

Friction Losses:
Less than 0.5 psi (3,4 kPa) Friction Loss for Fueling at 500 GPM (1893 lpm) and Defueling at 100 GPM (378 lpm).



GORMAN-RUPP PUMPS

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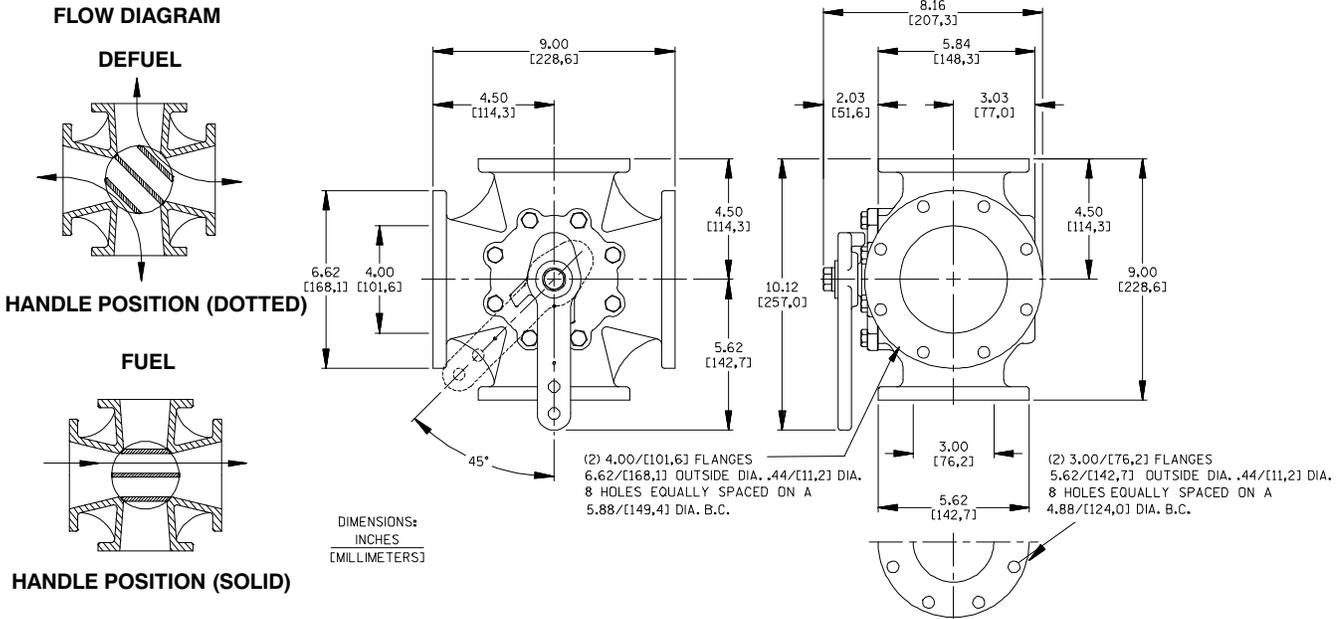
Specification Data

SECTION 110, PAGE 5130

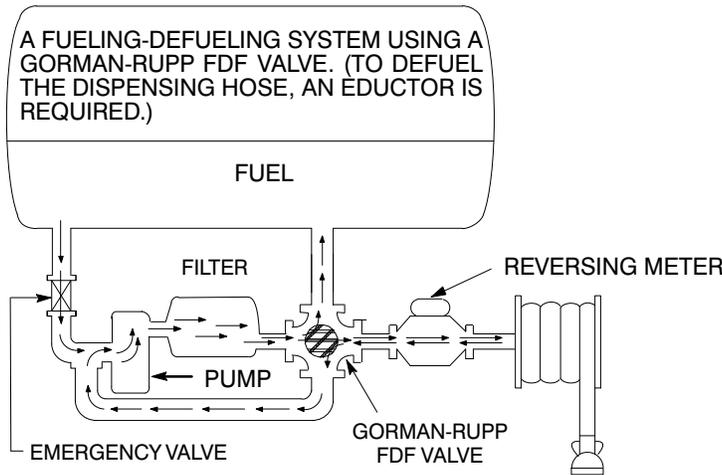
APPROXIMATE
DIMENSIONS and WEIGHTS

NET WEIGHT:
SHIPPING WEIGHT:
DOMESTIC CARTON:

19 LBS. (8,6 KG.)
20 LBS. (9,1 KG.)
0.58 CU. FT. (0,016 CU. M.)

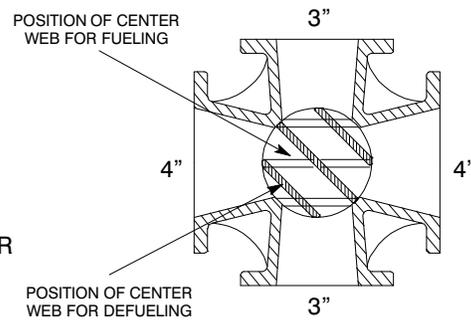


SYSTEM SCHEMATIC USING PUMP FOR DEFUELING AND FUELING.



NOTE:
EMERGENCY VALVE OPEN FOR FUELING.
EMERGENCY VALVE CLOSED FOR DEFUELING.

HOW THE GORMAN-RUPP 4 x 3 FDF VALVE WORKS



The design of the valve webbing and body allows one flow path for fueling through the 4 inch (102 mm) ports when the center web of the valve is aligned with those ports.

A 1/8 turn of the handle from the fueling position to the defueling position moves the valve webbing, blocking flow through the 4 inch (102 mm) ports and opening two 4 inch x 3 inch (102 mm x 76 mm) 90° paths of flow.



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