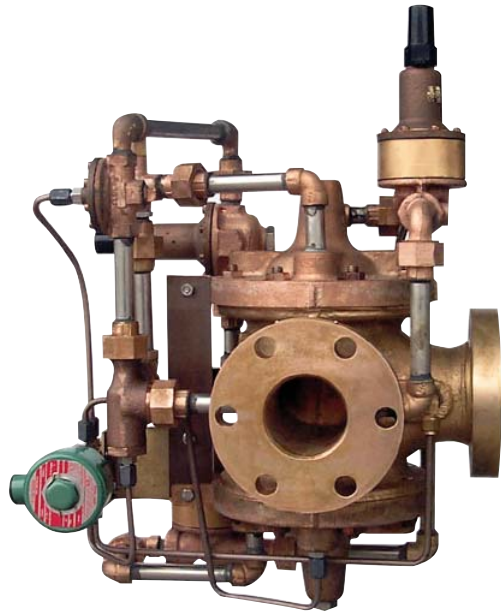




— MODEL — 302M

# Automatic Fueling and Defueling Valve

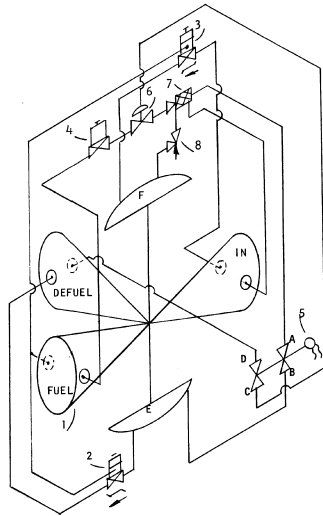


- Enables safe and accurate fueling and defueling of aircraft aboard a naval vessel
- Available in Valve Bronze per shipboard material requirements; Monel internal components
- Available in size 2-1/2"
- Built in accordance with MIL-F20042, Class 250

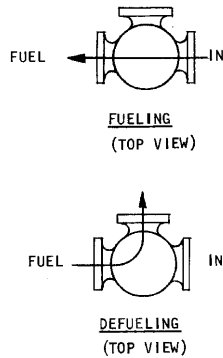
Cla-Val Model 302M is an Automatic Fueling and Defueling Control Valve used to control pressure and surge on navy fueling systems such as CVN, LHA, LHD, LPD and LPH Class vessels.

The valve is located at fueling stations throughout a ship. Model 302M maintains constant pressure and surge control during the fueling operation of several types of aircraft during critical hot pit refueling. The control valve also has the ability to defuel. The valve's unique three-ported design enables it to perform three different operations during critical hot refueling operations.

## Schematic



## Flow Diagrams



## Model 345GF



The Model 302M valve is operated in conjunction with Cla-Val Model 345GF Semi Dry-Break Disconnect Assembly. The Dry-Break is equipped with a continuity switch that makes and breaks signal for pump control, as well as energizes a solenoid on the 302M to start the refueling process.

The Model 345GF Semi Dry-Break Disconnect retains fuel in hose or pantograph when disconnected. The unique butterfly valve configuration of the 354GF seals tightly under any pressure and provides extremely low pressure drop.

The 345GF is strong enough to withstand hydrostatic hose testing (when closed/disconnected), provides easy access to the strainer in male adapter when disconnected and functions as swivel joint when connected.

Item #	Model #	Description
1	102M	3-Way Hytrol (Main Valve)
2	CRL5M-KR	Pressure Relief Control
3	CRL5M	Pressure Relief Control
4	CRDM	Pressure Reducing Control
5	CS4XM	Solenoid Control
6	100M-KR	Hytrol (Auxiliary)
7	X45M	Ejector Strainer
8	CVM	Flow Control

