

# Meggitt Fuelling Products

## Avery-Hardoll Whittaker Controls

### HYDRANT VALVES

#### F368, F372 CONTROL TYPE VALVES

#### F360, F374, F380 DEADMAN ONLY VALVES



F368 Eliminator



F368

Whittaker hydrant valves are in use world-wide, refuelling aircraft of all descriptions. Whittaker manufactures hydrant valves for use as primary pressure controls or as simple air or lanyard operated shutoff valves. These hydrants are available for use with any hydrant coupler on the market whether it is 2.5 or four-inch API 1584 style.

#### PRESSURE CONTROL HYDRANT VALVES

Whittaker pressure control hydrant valves are designed for use as the terminating valve in an airport hydrant fueling system. The hydrant pressure control valve provides a self-sealing connection between the hydrant and mating coupler on a fuel servicing vehicle. Flow through the system is started with the application of a preset air pressure supplied by the servicing vehicle. The hydrant valve maintains a constant nozzle pressure at the aircraft as the aircraft is being refueled. All Whittaker pressure control hydrant valves will shut off automatically if system demand exceeds a preset limit, safeguarding against fuel loss in the event of insecure connection or line rupture. An optional feature provides a selected two flow rate setting for this excess flow protection. Any hydrant valve can be furnished less this feature if so desired. Several modifications of the hydrant valve are available in both 4 x 4 and 4 x 2.5. See modification section.

Three basic types of hydrants are made by Whittaker. The functions of these units are listed here and additional information can be found on the F352/353 and F360 pages.

Type	Size	Model
• Pressure, deadman and excess	4 x 2.5	F372
• Flow control, air set	4 x 4	F368
• Deadman control, air set	4 x 2.5	F380
• Lanyard operated on-off valve	4 x 2.5	F374

F368 - 4 x 4 Ductliron valve with inlet to mate ASA 150 lbs flange and outlet per API standard 1584 with 25 bias air set pressure control, deadman and excess flow control; product selection set at position four.

F372 - 4 x 2.5 Ductliron valve with same features as F368 except outlet is international standard three-lug bayonet flange. (Not pictured.)

The F368 and F372 can be supplied with the F576 excess flow valve. The F576 can be adapted to other deadman valves if required-limited adaptation. The F368 and F372 can be furnished as eliminator valves - see F377 section.

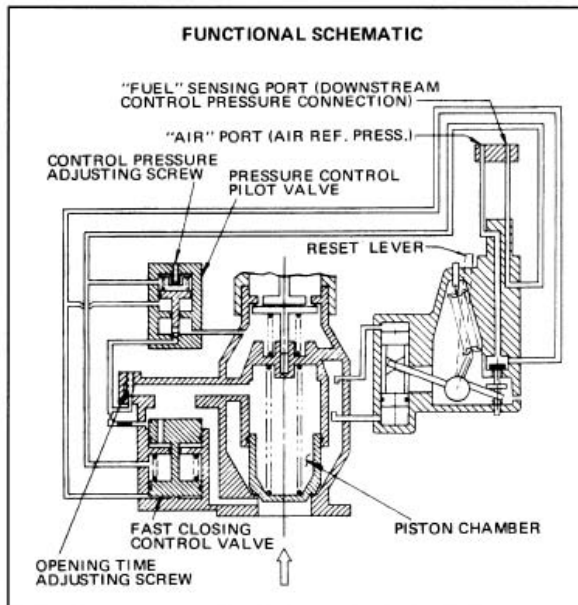
#### Features

- Low pressure drop - 12 psi at 1000 gpm on 4 x 4 and 17 psi at 600 gpm on 4 x 2.5
- Fits 18-inch diameter pits
- Excess flow control with single flow rate setting is standard equipment on F368 and F372 - two flow selective setting optional
- Pressure relief valve in adapter poppet standard
- Air set pressure and deadman control on F368 and F372
- 4 x 4 standard (F368) mates with API 1584 coupler (refer to page 250), connection to mate Avery-Hardoll coupler available. (2.5-inch)
- Six position product selection available. Set at position four
- Dust caps provided for both main connection and air-fuel sense plug
- Available in Ductliron - no copper alloy used in contact with fuel. (F373 and F374 have brass pilots)
- All seals replaceable without removing main valve from pit
- 4 x 2.5 convertible to 4 x 4 and vice versa
- Reverse flow capability
- Peak surge pressure 305 psi (21.0 bar)

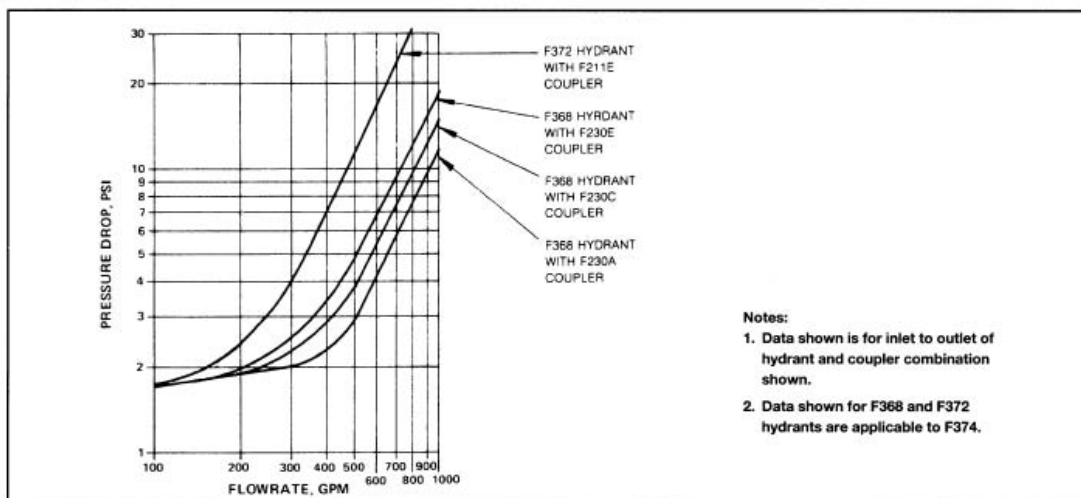
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# F368, F372 CONTROL TYPE VALVES

## F360, F374, F380 DEADMAN ONLY VALVES



The above schematic is for the F372 or F368 with an excess flow valve F576



- Notes:**
1. Data shown is for inlet to outlet of hydrant and coupler combination shown.
  2. Data shown for F368 and F372 hydrants are applicable to F374.

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