

## Fuelling products

# Pressure control coupler

## F239

F239 air set pressure control coupler



The Meggitt air set pressure control coupler is designed to mate with IP standard hydrants or hydrants and adapters manufactured in accordance with API bulletin 1584. Control pressure is achieved by the use of regulated reference air and remote fuel sense pressure. Available options include air deadman only and local sensing. Outlet configurations allow the use of various types of threads and hose sizes. (Supersedes F229 series pressure control coupler.)

### Additional features

- Texin bumper reduces coupler wear and breakage
- Pressure drop thru the F239 pressure control coupler and F352 IP hydrant valve is 12 PSI (0.85 bar) at 1200 GPM (4500L/Min)
- Operating pressure to 200 PSI (13.9 BAR)
- Peak surge pressure 305 PSI (21.0 BAR)
- Does not require a separate lock for the shroud
- Can be used as primary or secondary pressure control

### Key Features

- Air and fuel separated by dual sealed dead space vented to atmosphere
- Full size 4-inch flow path
- Available with F554 air/fuel sense plug to mate with F571 air/fuel sense socket
- Operating handle with full interlock feature - will not open unless locked onto the hydrant or adapter, may not be disconnected unless closed
- 4-inch disconnect type swivel with safety and redundant lock rings for positive lock and ease of removal from hose
- Mates with Meggitt hydrants F352/F353 and others which comply with Energy Institute standards, and F414 adapter designed in accordance with API Bulletin 1584

## Meggitt Control Systems

**Our product competencies & services:**  
Aerospace valves | Thermal management solutions | Environmental control systems | Electro-mechanical products  
Ground fuelling products | Energy products | Aftermarket services

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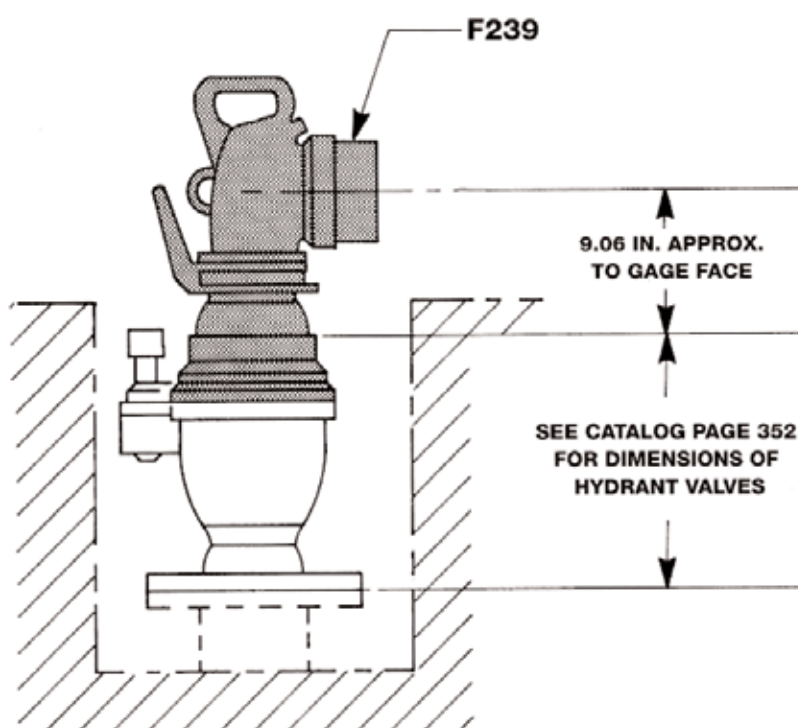
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### Key Dimensions

Hydrant Coupler Installation



### Operating characteristics

- Operating pressure - 200 PSI
- Closing time - adjustable 2 to 15 seconds
- Opening time - adjustable 2 to 30 seconds
- Regulated pressure - nominal 25 PSI below air pressure
- Flow characteristics - pressure drop 12 PSI at 1200 GPM mated to F352 hydrant valve
- Requires minimum of 50 PSI regulated air pressure
- Example: 65 PSI air to obtain nominal 40 PSI fuel pressure

### Contact

#### Meggitt North Hollywood

12838 Saticoy Street  
North Hollywood  
California 91605-3505  
USA

Tel: (818) 765-8160  
Fax: (818) 759-2194

[www.meggitt.com](http://www.meggitt.com)

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