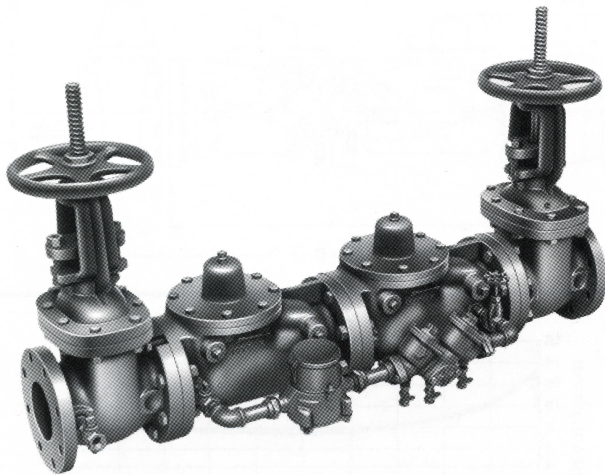




—MODEL—**16-4**

Double Check Detector Check Backflow Preventer



- Fire Service Backflow Protection
- Detect Sprinkler System Leaks
- Detect Unauthorized Usage
- Durable Construction, Low Head Loss

The Model 16-4 Double Check Detector Check Assembly is designed for use on fire service pipeline installations where it prevents "backflow" and detects leaks or unauthorized usage of water. All sizes comply with AWWA Standard C510-89.

The main line assembly consists of two independently acting, spring loaded, toggle lever check valves; two shutoff valves and four test cocks. The toggle lever check valves provide drip tight closure against reverse flow, and low pressure drop at maximum capacity. The spring-loaded toggle causes the valve to seal against a higher inlet pressure than outlet pressure when there is no flow.

The by-pass line utilizes a 3/4" the Cla-Val Model D-2 Double Check Assembly, and a water meter to record low flow usages. The water meter used is registration sensitive, with a recording accuracy from 1/4 to 20 GPM. It is a magnetic drive type with low head loss.

Specifications

Sizes:

Main-Line: 3", 4", 6", 8", 10"
By-Pass Line 3/4"

Material:

Main-Line Check valve & Body cover:
ASTM A-126 interior
Cast Iron epoxy coated internally*

By-Pass Line Check Valve Body & Cover:
Bronze ASTM B-61

Check Valve Trim (all):
Bronze ASTM B-61

End Detail:

125 ANSI B16.1

Working Pressure:

175 psi Max

Hydrostatic Test Pressure:

300 psi

Max. Temperature:

to 110° F

Fluid:

Water

Meter:

Magnetic Drive Type:

5/8" x 3/4" size for low flow registration 1/4 GPM to 20 GPM

Material: Bronze

(To comply with latest AWWA standards)

Shut-off Valves:

Main-Line:

Resilient Seat Outside Stem and Yoke Type

Epoxy Coated

Interior and Exterior AWWA C550

By-pass line:

Bronze, Resilient Seat Ball Type

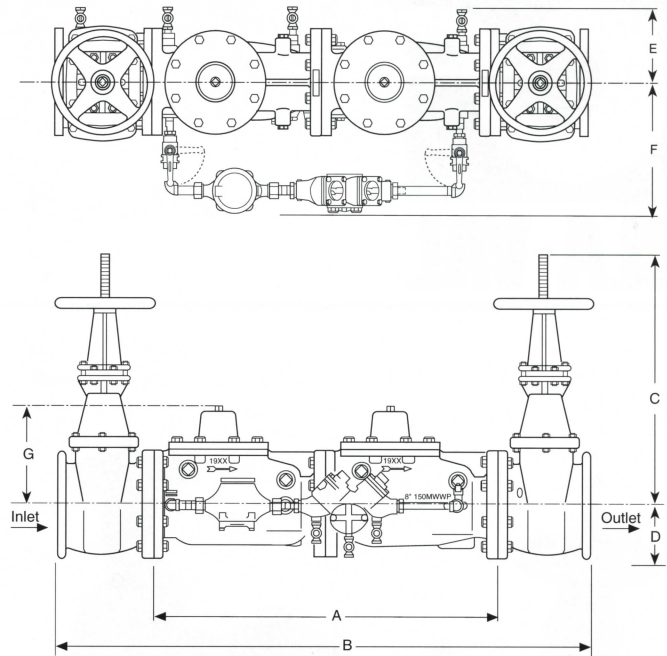
*Exterior may be epoxy coated at extra cost.



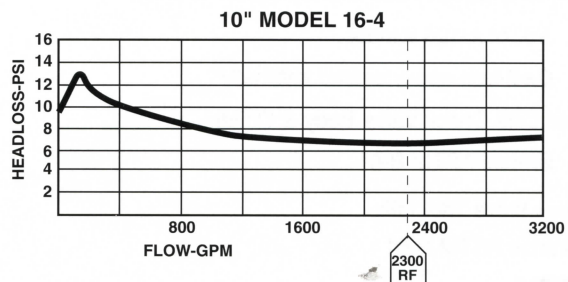
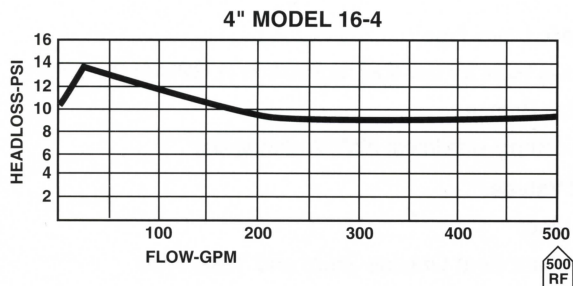
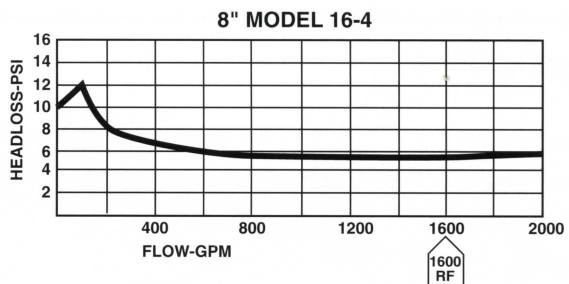
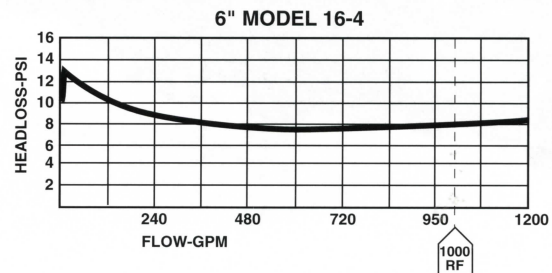
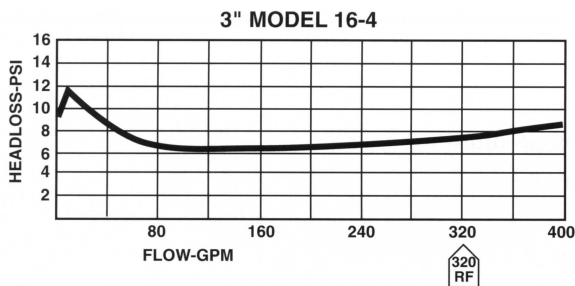
Dimensions (In Inches)

Valve Size	3"	4"	6"	8"	10"
A	26.06	30.06	40.06	50.81	59.56
B	42.19	48.19	61.19	73.94	85.69
C Max	18.87	22.75	30.13	37.75	45.75
D	3.75	4.50	5.50	6.75	8.00
E	4.50	5.00	6.00	8.00	10.00
F	11.00	11.63	13.00	14.50	18.50
G	7.25	8.31	11.00	13.00	15.75

It is recommended that this unit be installed in a horizontal position and that provisions for adequate drainage be made. Right hand mount of bypass assembly is standard. Left hand mount is optional. Adequate space around assembly for maintenance work and testing is recommended.



Model 16-4 Double Check Detector Check Back-flow Preventer



"Rated Flow" Values adopted by the American Water Works Association and the New England Water Works Association.



E-Model 16-4 (R10/95)

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