

Features

APPLICATIONS: For installation in commercial fire lines, or any water supply system to detect leakage or unauthorized use. Designed for horizontal installation.

CONFORMANCE TO STANDARDS: UL Listed; FM Approved.

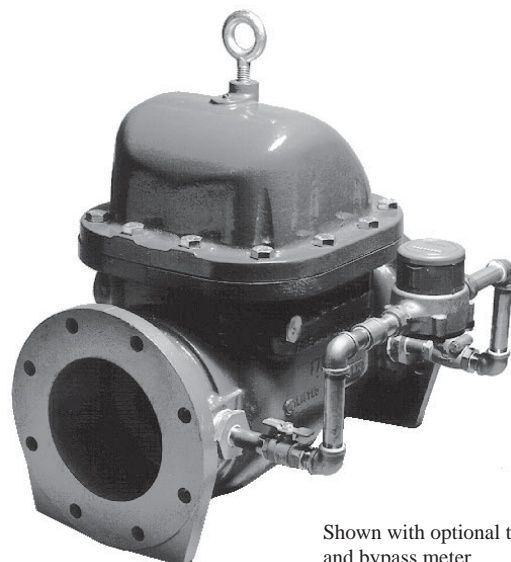
DESCRIPTION: HERSEY Model EDC III Detector Check Valves consist of a main check valve with a rubber seal, operated by a weighted lever (available with optional trim kit and bypass meter). The Model EDC III prevents water from re-entering the potable water system, while detecting leaks in the fire sprinkler system or unauthorized use of sprinkler system water.

The optional bypass is comprised of a shutoff valve, swing check, and a Hersey Model MVR magnetic turbine meter, or a Hersey Model 400/500 IIS positive displacement meter.

Solid state remote reading systems are available for all meters offered with the Model EDC III (See Reading Systems Section).

OPERATION: With the mainline valve held closed by the weighted lever, any low flow will be directed through the bypass and measured by the bypass meter. When the pressure loss through the bypass is approximately 1.5 psi, the mainline valve opens automatically, allowing unrestricted flow. The mainline valve and check on the bypass prevent loss of water from the system. Closing the inlet shutoff valve permits in-line servicing of the bypass meter while the mainline remains in service.

CONNECTIONS: Flange x Flange.



Shown with optional trim kit and bypass meter

Model EDC III

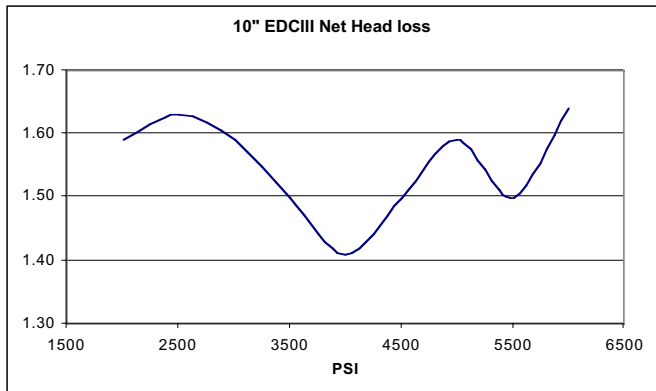
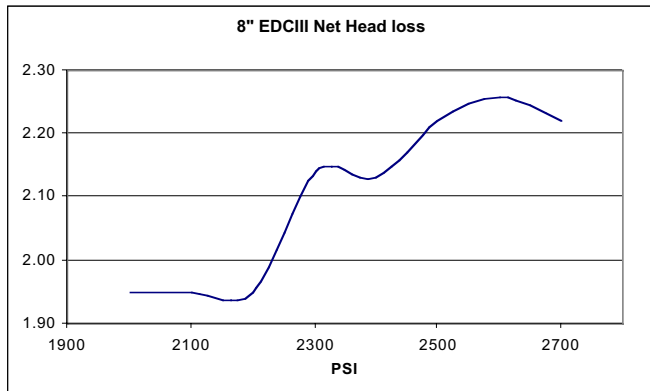
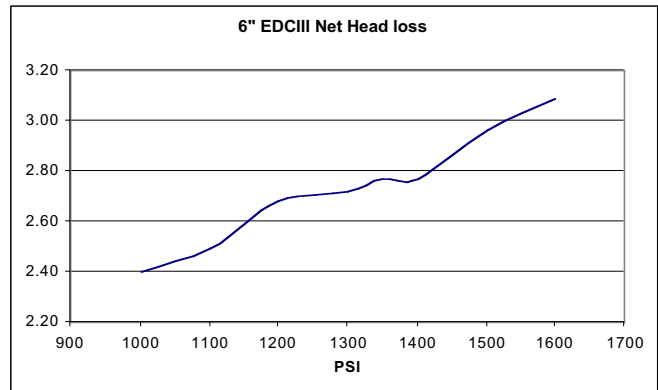
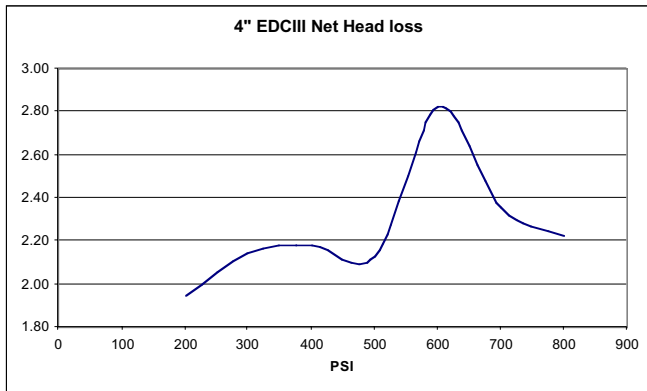
Materials and Specifications

- **MODEL DESIGNATION** EDC III
- **SIZES** 4", 6", 8", 10"
- **MAXIMUM WORKING PRESSURE** 175 PSI
- **HYDROSTATIC TEST PRESSURE** 350 PSI
- **TEMPERATURE RANGE** 33F to 100F
- **STANDARDS** Underwriters Laboratories (UL) Listed;
Factory Mutual (FM) approved
- **VALVE BODY** Standard - Fusion bonded epoxy on cast iron;
Option - Red Paint
- **CLAPPER SEAT** Rubber to Bronze
- **OPTIONAL BYPASS METER CASE** Bronze
- **OPTIONAL BYPASS REGISTER** Sealed plastic
- **OPTIONAL BYPASS INTERIOR** Plastic

Detector Checks and Detector Check Valves Sizes 4", 6", 8" and 10"

Performance

HEAD LOSS - 4"



Dimensions and weights

Size	4"	6"	8"	10"
A	16"	20-1/4"	24"	27-1/4"
B	16-1/2"	22-1/2"	25"	28"
C	4-1/2"	5-1/2"	6-3/4"	8"
D	2-3/8"	3"	3-5/16"	4-3/4"
F	11-3/32"	16-1/2"	18"	18-1/2"
H	1"	1-1/2"	2"	2"
I	5-7/8"	7-1/16"	8"	8-1/8"

Meter Size	E* All Valves	G*			
		4"	6"	8"	10"
5/8"	7"	8-5/8"	9-5/8"	9-5/8"	—
5/8"x3/4"	7"	8-5/8"	9-5/8"	10-7/8"	10-7/8"
3/4"	7"	—	9-5/8"	10-7/8"	—
1"	8"	—	12-7/8"	14-1/8"	15-1/4"

*Nominal

Size	4"	6"	8"	10"
Net Wt. No Bypass Lbs.	165	315	427	565

