

# LEIT Controllers and Accessories

## LEMA 160HE Valves

High flow, superior operation, a dependable valve for all types of commercial applications

### Features:

- Adaptable to our valves using our valve adapters
- Sealed plastic over molding technique for waterproof construction
- Encapsulated plunger and spring for reliable operation
- Internal bleed, manual override for manual ON/OFF
- Constructed of glass reinforced nylon with a stainless steel spring
- High flow with low pressure loss
- Normally closed
- Easy in-line maintenance
- Smooth valve opening and closing prevents pressure surge hazards
- Rugged, reinforced self cleaning diaphragm provides reliable operation even with contaminated water
- Flow control handle for water flow adjustment and manual shutoff
- Manual internal bleed override beneath the LEMA solenoid for opening the valve without external water spill

PERFORMANCE								
FLOW RATE (GPM)								
Flow Rate	5	9	13	18	22	26	31	35
Size 3/4"	3	3.5	4.2	6	7.2	8.5	•	•
Size 1"	3	3	4	4.5	5	5.5	7	8.5
Flow Rate	35	45	65	90	120	132	154	160
Size 1-1/2"	2.8	3.2	4.2	5.0	6.6	8.5	•	•
Size 2"	2.7	3.1	4.3	5.3	6	8.5	9.1	
Pressure Loss (PSI)								

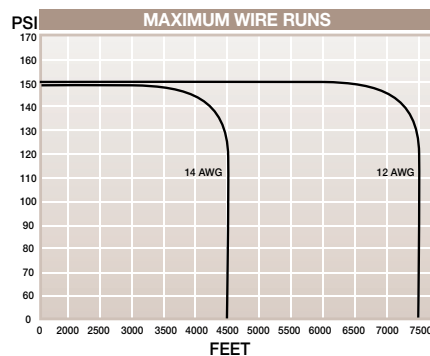
FLOW RATE M3/H								
Flow Rate	1	2	3	4	5	6	7	8
Size 3/4"	0.21	0.25	0.30	0.42	0.51	0.60	•	•
Size 1"	0.20	0.23	0.28	0.33	0.35	0.39	0.51	0.60
Flow Rate	55	10	15	20	27	30	35	36
Size 1-1/2"	0.20	0.22	0.30	0.35	0.46	0.60	•	•
Size 2"	0.19	0.22	0.30	0.37	0.42	0.60	0.64	
Pressure Loss (bar)								
• Not recommended								

### Specifications:

- Operating Flow Rate:
  - 3/4": .1 to 28 GPM (.23 to 6.4 m3h)
  - 1": .2 to 35 GPM (0.45 to 8 m3h)
  - 1-1/2": 20 to 132 GPM (4.5 to 30 m3h)
  - 2": 30 to 160 GPM (6.8 to 36 m3h)
- Operating Pressure: 10 to 150 PSI, (.7 to 10 BAR)
- Valve Temperature Range: up to 170°F (77°C)
- Body Style: Globe
- 3/4", 1", 1 1/2" and 2" FNPT inlet and outlet

### Dimensions:

- Valve Dimension:
  - 3/4" and 1": 4.5" H x 4.25" L x 3.12" W, (11.5 cm H x 11 cm L x 8 cm W)
  - 1-1/2": 7.12" H x 6.12" L x 5.75" W, (18 cm H x 16 cm L x 14.5 cm W)
  - 2": 8.5" H x 6.12" L x 5.75" W, (21 cm H x 16 cm L x 14.5 cm W)
- Valve Thread: .75"-20 UNES-2A
- Solenoid Thread: 11/16"-12 UN



### Materials:

- Valve Body and Cover: Glass Reinforced Nylon
- Diaphragm: Nylon Fabric Reinforced Polyisoprene (NR)
- Metal Parts and Screws: Stainless Steel 303
- Solenoid Housing: Nylon
- Solenoid Stainless Steel Parts: 430F
- Plunger Cup: EPDM



ORDERING INFORMATION	
Model	Description
160HE-075	Standard actuator on 3/4" in-line valve
160HE-100	Standard actuator on 1" in-line valve
160HE-150	Standard actuator on 1-1/2" in-line valve
160HE-200	Standard actuator on 2" in-line valve