



FIELD ADJUSTABLE PRESSURE REDUCING

## Field Adjustable Pressure Reducing (URFA)

Elkhart's URFA valve is a true pressure reducing valve, operated automatically by inner hydraulic controls. While the valves are preset at the factory, they are field adjustable — allowing you to tailor the pressure to your needs. They feature manual valve open and close, as well as pressure adjustment — all of which require extremely low torque to change due to the patent pending design. Inlet pressure up to 400 psi (27.58 bar) is controlled under all flow and no-flow conditions.

Valve size and weight permit installation in significantly tighter areas and smaller hose cabinets (those used for 1 1/2" or 2 1/2" valves) — allowing savings of both space and money. The URFA also functions as a floor control valve in automatic sprinkler systems as well as a standpipe valve or hose valve for Class I and Class III systems.



**URFA Series valves  
not intended for  
use in salt water  
applications.**



INLET SIZE	OUTLET SIZES		TYPE		CERT.	DIMENSIONS (INCHES)								Integral Superv. Switch	FINISH			Wt. (Lbs.)	MODEL	FIGURE
						Closed				Open					Brass		Chrome			
						A	B	A	B	C	D	E	F		Cast	Pol	Pol			
2½"	2½"		Angled	Straight	UL Listed	13 <sup>7</sup> / <sub>16</sub>	11 <sup>7</sup> / <sub>16</sub>	14 <sup>7</sup> / <sub>16</sub>	12 <sup>7</sup> / <sub>16</sub>	2 <sup>7</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>4</sub>	5	5½	o	s	o	o	28	URFA-20	1
F	F (NPT)*	M (NHT)				13 <sup>7</sup> / <sub>16</sub>	11 <sup>7</sup> / <sub>16</sub>	14 <sup>7</sup> / <sub>16</sub>	12 <sup>7</sup> / <sub>16</sub>	2 <sup>7</sup> / <sub>16</sub>	3 <sup>7</sup> / <sub>8</sub>	5	-	s	o	o	27	URFA-25	2	
NPT*						14 <sup>7</sup> / <sub>16</sub>	12 <sup>7</sup> / <sub>16</sub>	15 <sup>7</sup> / <sub>16</sub>	13 <sup>7</sup> / <sub>16</sub>	3½	4	5	5½	o	s	o	o	32	URFA-20S	3

KEY s = standard o = option

\* Grooved connection available for inlet or outlet use — add 1.44" per connection.

Figure 1

### URFA-20

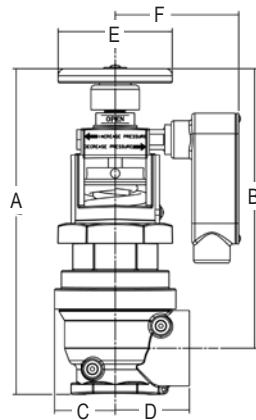


Fig. 1

Figure 2

### URFA-25

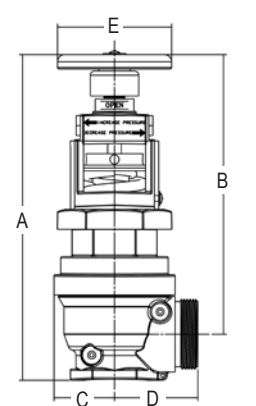


Fig. 2

Figure 3

### URFA-20S

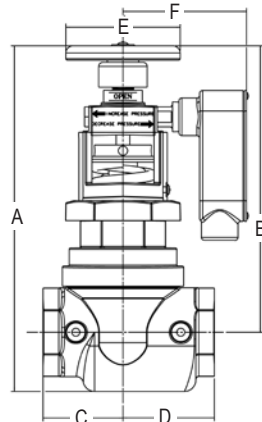


Fig. 3

## PRODUCT HIGHLIGHTS

URFA features include:

- Manual open-close requires less than 15 lbs. of torque
- Pressure rated up to 400 psi (27.58 bar)
- Flow rated up to 500 gpm (1893 lpm)
- Open-Close indication from 2 view directions
- Color-coded pressure reduction label
- Tapped for pressure gauge on both inlet and outlet side of valve
- Tamper-resistant protection
- UL Listed as a check valve for use in dual riser systems
- Optional integral supervisory switch (alarm) mounts directly to valve with no bracket required
- Optional integral supervisory switch (alarm) is available either "OPEN TO SIGNAL" or "CLOSE TO SIGNAL"
  - With the URFA valve in the full open position the supervisory switch contacts are CLOSED. When the valve hand wheel is turned in the closed direction the supervisory switch contacts OPEN. This is defined as "OPEN TO SIGNAL".
  - With the URFA valve in the full open position the supervisory switch contacts are OPEN. When the valve hand wheel is turned in the closed direction the supervisory switch contacts CLOSE. This is defined as "CLOSE TO SIGNAL".

## ADDITIONAL INFORMATION

Includes adjustment rod.

## THREADS

- Valve inlet information is NPT unless otherwise specified. Special threads available through adapter use.
- See index T-13 for alternative outlet thread options.