



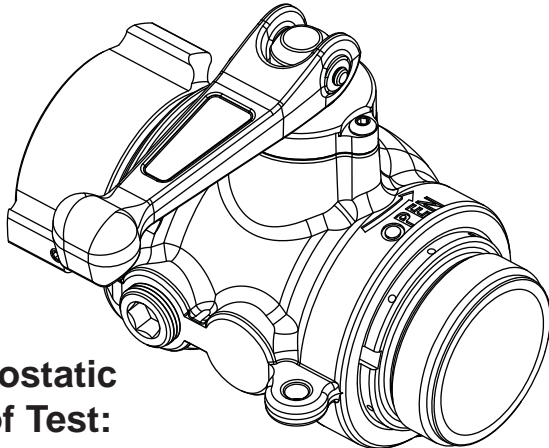
# MANUAL: 2.5" QUARTER TURN HYDRANT VALVE

## INSTRUCTIONS FOR SAFE OPERATION AND MAINTENANCE

### OPERATING RANGE

Pressure Max 250 PSI

Pressure Min Full Vac.



**Hydrostatic  
Proof Test:**  
900 PSI

### USE WITH SALT WATER

Use with salt water is permissible provided valve is thoroughly cleaned with fresh water after each use. The service life of the valve may be shortened due to the effects of corrosion and is not covered under warranty.



Quick changes in valve position can cause high pressure spikes due to water hammer and may result in damaged equipment which could lead to injury or death. Open and close the valve slowly to avoid water hammer.



Kinks in supply hose may reduce water flow and cause injury or death to persons dependant on water flow. Avoid tight bends to minimize risk of hoseline kinks.

### MAINTENANCE

This valve should be disconnected, cleaned and visually inspected inside and out at least twice annually, or as water quality and use may require. Moving parts such as handles, valve ball and couplings should be checked for smooth and free operation. Seals shall be greased as needed with a Silicone based grease such as Dow Corning 112. Any scrapes that expose bare aluminum should be cleaned and touched up with enamel paint such as Rust-Oleum. Replace any missing or damaged parts before returning to service.



Dissimilar metals coupled together can cause galvanic corrosion that can result in the inability to unscrew the threads or complete loss of thread engagement over time. Per NFPA 1962 (1998 Edition), if dissimilar metals are left coupled together and anti-corrosive lubricant should be applied to the threads. Also the couplings should be disconnected and inspected at least quarterly.



Any alterations to the 2.5" Quarter Turn Hydrant Valve and its markings could diminish safety and constitute a misuse of this product.



Maximum operating pressure 250 psi (17 bar). Do not exceed 250 psi (17 bar) on either side of the valve.



Valve must be properly connected. Mismatched or damaged connectors may cause leaking or uncoupling under pressure and could cause injury.



### PERSONAL RESPONSIBILITY CODE

The member companies of FEMSA that provide emergency response equipment and services want responders to know and understand the following:

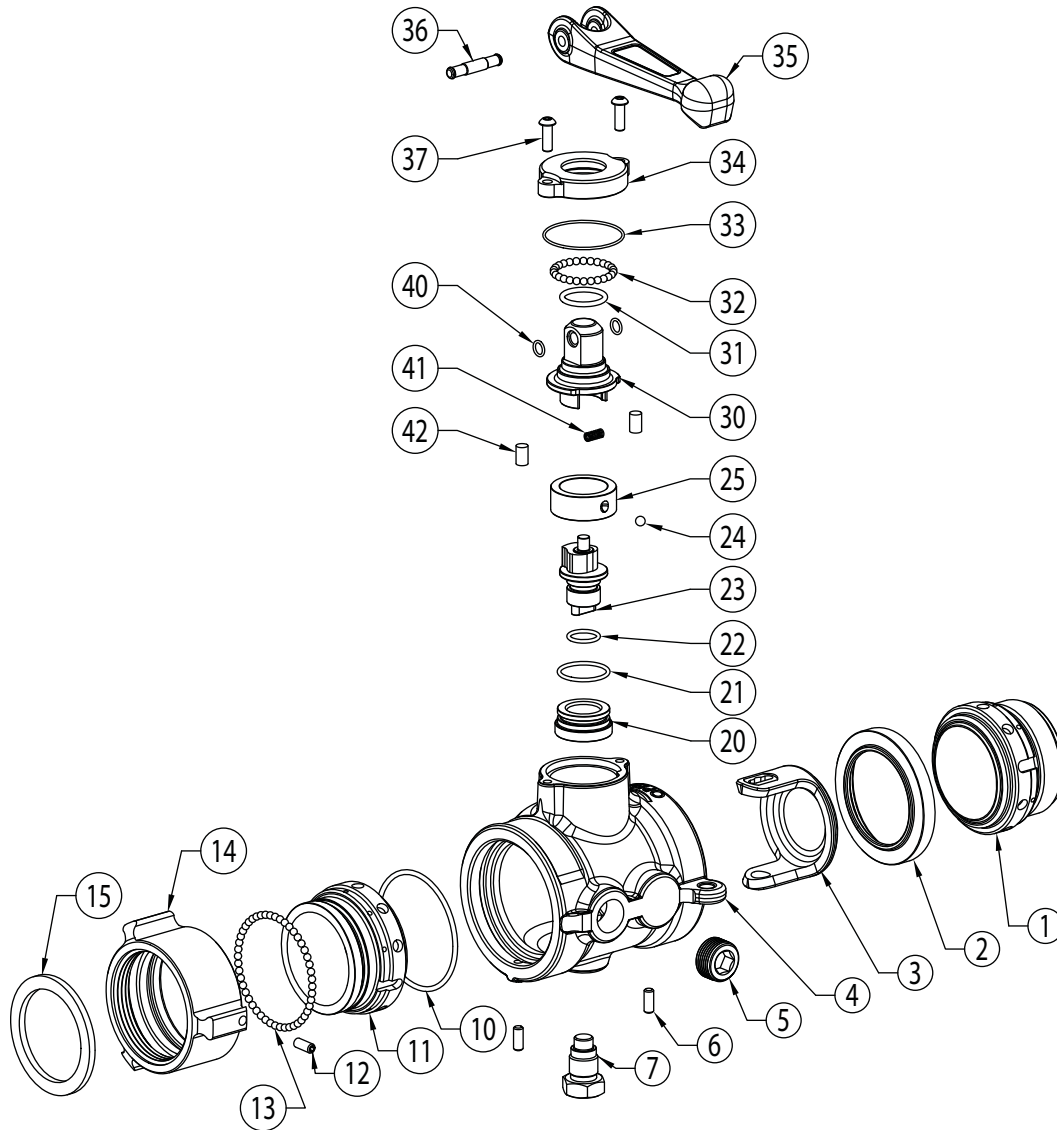
1. Firefighting and Emergency Response are inherently dangerous activities requiring proper training in their hazards and the use of extreme caution at all times.
2. It is your responsibility to read and understand any user's instructions, including purpose and limitations, provided with any piece of equipment you may be called upon to use.
3. It is your responsibility to know that you have been properly trained in Firefighting and /or Emergency Response and in the use, precautions, and care of any equipment you may be called upon to use.
4. It is your responsibility to be in proper physical condition and to maintain the personal skill level required to operate any equipment you may be called upon to use.
5. It is your responsibility to know that your equipment is in operable condition and has been maintained in accordance with the manufacturer's instructions.
6. Failure to follow these guidelines may result in death, burns or other severe injury.



Fire and Emergency Manufactures and Service Association  
P.O. Box 147, Lynnfield, MA 01940 • www.FEMSA.org

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**3701 Innovation Way, Valparaiso, IN 46383-9327 USA**  
**800-348-2686 • 219-462-6161 • Fax 219-464-7155**



ITEM	DESCRIPTION	QTY	PART#
1	Adapter 2 1/2 NH Male	1	AY360NJ
2	Valve Seat		AY315
3	Half Ball	1	AY310
4	Hydrant Valve Body	1	AY301
5	3/4"NPT Male Plug	1	XG410
6	1/4-20 X 5/8 Set Screw	2	VT25-20SS625
7	Lower Trunnion	1	AY353
10	O-Ring-234 3" ID	1	VO-234
11	Adapter for 2 1/2NH Coupling	1	AY365
12	1/4-28 X 1/2 Set Screw	1	VT25-28SS500
13	3/16" Ball Stainless Steel	48	V2120
14	Coupling 2.5"NH Female	1	M307N
15	Gasket 2 1/2" Hose	1	V3190
20	Inner Bushing	1	AY351
21	O-Ring-123 1-3/16 ID	1	VO-123
22	O-Ring-115 11/16 ID	1	VO-115

ITEM	DESCRIPTION	QTY	PART#
23	Inner Upper Trunnion	1	AY350
24	1/4" Ball Stainless Steel	1	V2125
25	Floating Ring	1	AY352
30	Outer Upper Trunnion	1	AY320
31	O-Ring-216 1-1/8 ID	1	VO-216
32	3/16" Ball - Acetal	26	V2115
33	O-Ring-033 2 ID	1	VO-033
34	Trunnion Retainer	1	AY354
35	Folding Valve Handle	1	AY340
36	Handle Pivot Pin	1	AY345
37	1/4-20 x 3/4 Button Head	2	VT25-20BH750
40	O-Ring-011 5/16 ID	2	VO-011
41	Compression Spring	1	HC115
42	Pin Stainless Steel	2	VP312X.50
43	Name Label	1	AY305

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