

## Water-Spray Systems

Permanently piped systems of open or automatic water-spray type nozzles are intended for protection of flammable liquid hazards, conveyor openings, horizontal dryers and such.

The automatic control equipment for open nozzle water-spray systems is the same as that used for FM Approved special sprinkler systems. The automatic opening valves are supervised as specified for deluge or preaction systems.

The effectiveness of water-spray protection depends on many factors such as nozzle spacing, elevation, direction or angle of discharge, water pressure, wind velocity and the flashpoint, viscosity and temperature of the flammable liquid to be protected.

Detailed information on proposed installations for FM Global insured locations should be forwarded to the appropriate FM Global district office for review and acceptance. The information should give complete data in regard to the hazard, curbs or overflow drains, type, size, location and angle of nozzles, piping layout, strainers, flushing valves, water pressure available at full flow and control equipment.

Water-spray nozzles are intended to protect a hazard which cannot adequately be protected by conventional sprinkler systems. Each system is designed and calculated for the hazard, and each nozzle is chosen for its specific discharge characteristics (capacity, spray range, spray angle etc.). Applications include protection of spherical tanks, oil-filled electrical equipment, open flammable liquid storage and processing equipment, oil-cooled transformers, conveyor openings, and horizontal continuous dryers.

## Open Water- Spray Nozzles

### Model MV-AS, MV-A, MV-E, MV-BS, MV-B

Model	Nominal K- Factor (gpm/(psi) <sup>1/2</sup> )	Nominal Spray Angles (Degrees)	Nominal Thread Size (in.)	Finishes
MV-AS	1.26	65, 80, 90, 100, 110, 120, 140	1/2"	Brass, Chrome, Electroless Nickel Plated, Epoxy Powder Coated
MV-AS	1.54	65, 80, 90, 100, 110, 120, 140	1/2"	Brass, Chrome, Electroless Nickel Plated, Epoxy Powder Coated
MV-AS	2.10	65, 80, 90, 100, 110, 120, 140	1/2"	Brass, Chrome, Electroless Nickel Plated, Epoxy Powder Coated
MV-AS	2.45	65, 80, 90, 100, 110, 120, 140	1/2"	Brass, Chrome, Electroless Nickel Plated, Epoxy Powder Coated
MV-AS	2.87	65, 80, 90, 100, 110, 120, 140	1/2"	Brass, Chrome, Electroless Nickel Plated, Epoxy Powder Coated
MV-A	1.26	65, 80, 90, 100, 110, 120, 140	1/2"	Brass, Chrome, Electroless Nickel Plated, Epoxy Powder Coated
MV-A	1.54	65, 80, 90, 100, 110, 120, 140	1/2"	Brass, Chrome, Electroless Nickel Plated, Epoxy Powder Coated
MV-A	2.10	65, 80, 90, 100, 110, 120, 140	1/2"	Brass, Chrome, Electroless Nickel Plated, Epoxy Powder Coated

MV-A	2.45	65, 80, 90, 100, 110, 120, 140	1/2"	Brass, Chrome, Electroless Nickel Plated, Epoxy Powder Coated
MV-A	2.87	65, 80, 90, 100, 110, 120, 140	1/2"	Brass, Chrome, Electroless Nickel Plated, Epoxy Powder Coated
MV-A	3.57	65, 80, 90, 100, 110, 120, 140	1/2"	Brass, Chrome, Electroless Nickel Plated, Epoxy Powder Coated
MV-A	4.48	65, 80, 90, 100, 110, 120, 140	1/2"	Brass, Chrome, Electroless Nickel Plated, Epoxy Powder Coated
MV-A	5.53	65, 80, 90, 100, 110, 120, 140	1/2"	Brass, Chrome, Electroless Nickel Plated, Epoxy Powder Coated
MV-A	6.37	65, 80, 90, 100, 110, 120, 140	1/2"	Brass, Chrome, Electroless Nickel Plated, Epoxy Powder Coated
MV-A	7.14	65, 80, 90, 100, 110, 120, 140	1/2"	Brass, Chrome, Electroless Nickel Plated, Epoxy Powder Coated
MV-E	1.26	65, 80, 90, 100, 110, 120, 140	1/2"	Brass, Chrome, Electroless Nickel Plated, Epoxy Powder Coated
MV-E	1.54	65, 80, 90, 100, 110, 120, 140	1/2"	Brass, Chrome, Electroless Nickel Plated, Epoxy Powder Coated
MV-E	2.10	65, 80, 90, 100, 110, 120, 140	1/2"	Brass, Chrome, Electroless Nickel Plated, Epoxy Powder Coated
MV-E	2.45	65, 80, 90, 100, 110, 120, 140	1/2"	Brass, Chrome, Electroless Nickel Plated, Epoxy Powder Coated
MV-E	2.87	65, 80, 90, 100, 110, 120, 140	1/2"	Brass, Chrome, Electroless Nickel Plated, Epoxy Powder Coated
MV-E	3.57	65, 80, 90, 100, 110, 120, 140	1/2"	Brass, Chrome, Electroless Nickel Plated, Epoxy Powder Coated

MV-E	4.48	65, 80, 90, 100, 110, 120, 140	1/2"	Brass, Chrome, Electroless Nickel Plated, Epoxy Powder Coated
MV-E	5.53	65, 80, 90, 100, 110, 120, 140	1/2"	Brass, Chrome, Electroless Nickel Plated, Epoxy Powder Coated
MV-E	6.37	65, 80, 90, 100, 110, 120, 140	1/2"	Brass, Chrome, Electroless Nickel Plated, Epoxy Powder Coated
MV-E	7.14	65, 80, 90, 100, 110, 120, 140	1/2"	Brass, Chrome, Electroless Nickel Plated, Epoxy Powder Coated
MV-BS	1.26	65, 80, 90, 100, 110, 120, 140	1/2"	Stainless Steel
MV-BS	1.54	65, 80, 90, 100, 110, 120, 140	1/2"	Stainless Steel
MV-BS	2.10	65, 80, 90, 100, 110, 120, 140	1/2"	Stainless Steel
MV-BS	2.45	65, 80, 90, 100, 110, 120, 140	1/2"	Stainless Steel
MV-BS	2.87	65, 80, 90, 100, 110, 120, 140	1/2"	Stainless Steel
MV-B	1.26	65, 80, 90, 100, 110, 120, 140	1/2"	Stainless Steel
MV-B	1.54	65, 80, 90, 100, 110, 120, 140	1/2"	Stainless Steel
MV-B	2.10	65, 80, 90, 100, 110, 120, 140	1/2"	Stainless Steel
MV-B	2.45	65, 80, 90, 100, 110, 120, 140	1/2"	Stainless Steel
MV-B	2.87	65, 80, 90, 100, 110, 120, 140	1/2"	Stainless Steel
MV-B	3.57	65, 80, 90, 100, 110, 120, 140	1/2"	Stainless Steel
MV-B	4.48	65, 80, 90, 100, 110, 120, 140	1/2"	Stainless Steel
MV-B	5.53	65, 80, 90, 100, 110, 120, 140	1/2"	Stainless Steel
MV-B	6.37	65, 80, 90, 100, 110, 120, 140	1/2"	Stainless Steel
MV-B	7.14	65, 80, 90, 100, 110, 120, 140	1/2"	Stainless Steel

Nozzles are Approved with an optional blow-off plug

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<b>Company Website:</b>	<a href="http://www.rapidrop.com">http://www.rapidrop.com</a>
<b>New/Updated Product Listing:</b>	No
<b>Listing Country:</b>	United Kingdom
<b>Certification Type:</b>	FM Approved