

# HYDRANTS

## HYDRASAN® I Features

The 71000 and 71050 Series (non-freeze) and 71020 and 71070 Series (mild climate) Wall Hydrants supply water for any use in all areas of public and private buildings. These hydrants are designed to be installed in walls of various types of construction. They incorporate features such as integral vacuum breaker-backflow preventer, pressure assisted closure and an automatic pressure relief valve. The 71000 and 71020 Series box type hydrants are for installation where any protrusion may be a hazard, or where aesthetics or potential vandalism dictate secure flush-with-wall concealment of hydrant. The 71050 and 71070 Series are for installation at the wall surface and are designed so that they will fit into the area occupied by a standard brick.

### LATCHING COVER

This discourages vandalism and provides a flush surface in areas where any protrusion from the wall would be considered a hazard.

### SELF-STORING TOOL

Key-operated, self storing tool assures that, should service ever become necessary, the working parts of the hydrant can be removed, repaired, and reassembled, quickly and easily, from the front, thus returning the hydrant to operation in a short period of time. No special tools are required.

### PRESSURE ASSISTED CLOSURE

Hydrant is closed utilizing the water pressure in the system. The greater the pressure, the more positive the seal. The force of water pressure moves the shuttle into its closed position. This design eliminates the surface to surface grinding created by conventional types of hydrant closures, thus prolonging the life of the working parts. Once sealed, the valve will hold even under upstream pressure drops to zero p.s.i.

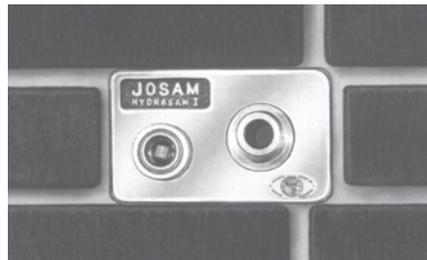
### INSTALLATION

HYDRASAN® I Hydrant must be installed with head horizontal, outlet to right, (as shown). Complete installation, operation and maintenance instructions accompany each JOSAM HYDRASAN® Hydrant.

### CONCEALED TYPES 71000 SERIES NON-FREEZE 71020 SERIES MILD CLIMATE



### EXPOSED TYPES 71050 SERIES NON-FREEZE 71070 SERIES MILD CLIMATE



### NIKALOY BOX AND SATIN SCORIATED COVER

Satin face, flush-mounted cover.

### VACUUM BREAKER-BACKFLOW PREVENTER®

Integral with the hose connection nozzle, responds instantly during normal flow to seal off air ports and permit passage of outflow water. In event of pressure imbalance due to sudden supply pressure drop below outlet or back-pressure, response is immediate to seal against backflow and open air ports to relieve vacuum and backwater to atmosphere. A must for compliance with most plumbing codes for protection of the potable water supply.

### PRESSURE RELIEF

Automatic pressure relief valve relieves water pressure in the attached hose and permits air circulation and drainage of hydrant and hose. Drainage will take place providing discharge end of hose is open. This helps prevent bursting of hoses in the event of freezing. All servicing is accomplished through face of hydrant. Removal and replacement of seat and shuttle are accomplished by the hydrant's self-storing tool, which is the actuator rod itself. No special tools are required when hydrant is serviced.

HYDRASAN® I non-freeze Wall Hydrants display the ASSE (American Society of Sanitary Engineering) Seal, attesting to conformance with ANSI/ASSE Standard 1019, Performance Requirements for Wall Hydrants, Frost-Proof, Automatic Draining, Anti-backflow Type, thereby assuring compliance with many area, state and municipal plumbing codes.

Covered by U.S. and Foreign Patents.

