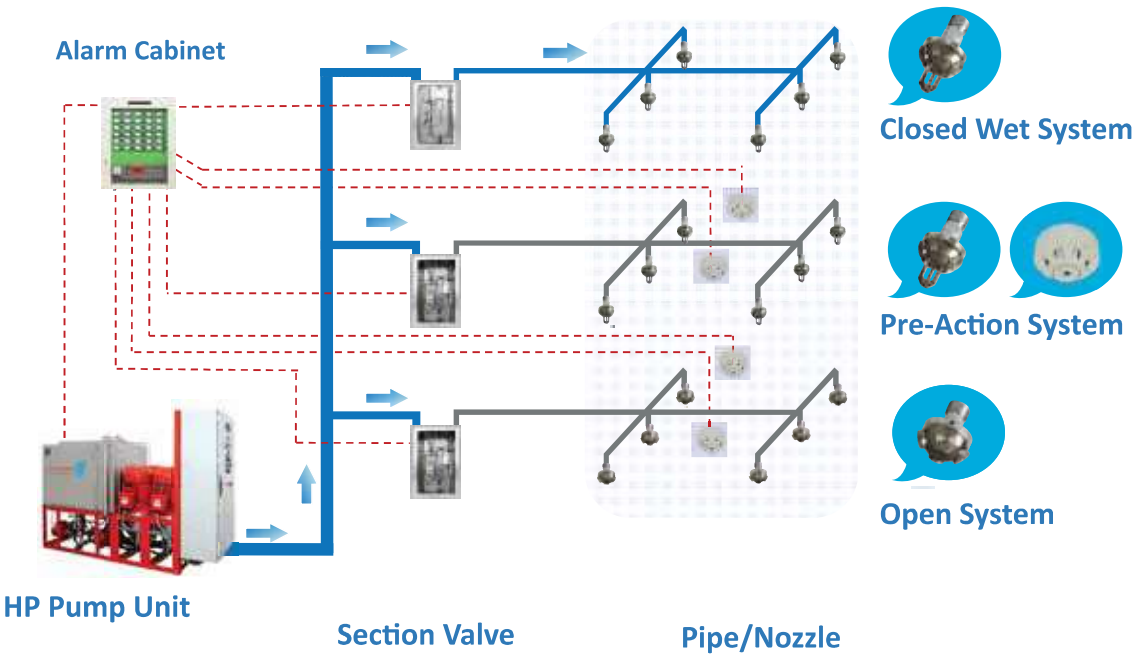
SYSTEM COMPONENTS

SYSTEM CONFIGURATION



NOZZLES

Nozzles are one of the most critical components in a firefighting system and the ability of a firefighting system to extinguish / suppress a fire is dependent on the nozzle performance.

Hence, all Hydrocore nozzles undergo stringent fire and component tests and only approved nozzles are considered for use in our projects. Nozzles are typically of 2 types: Open nozzles and Closed (automatic) nozzles and are selected based on the hazard to be protected.

The nozzle body is manufactured from SS304 while the micro nozzles are made from SS316. Each micro nozzle is fitted with a filter to avoid any contaminants from blocking the openings.

For ordinary/light hazard and residential type occupancies, water mist systems are designed and tested to achieve property protection and life safety by controlling fires and reducing their damaging effects.

In case of industrial applications requiring machinery protection / volume or object protection water mist systems are designed and tested for extinguishment.

DATA SHEET

HIGH PRESUSRE PUMP UNIT

Model	Working Pressure bar	Flow Rate lpm
XSWB 100/14	140	100
XSWB 200/14	140	200
XSWB 300/14	140	300
XSWB 400/14	140	400
XSWB 500/14	140	500
XSWB 600/14	140	600
XSWB 700/14	140	700

NOZZLE

Model	K factor (lpm/bar1/2)	Flow Rate (lpm)	Working Presusre (bar)
XSWT 1.25/10	1.25	12.5	100
XSWT 2.0/10	2	20	100
XSWT 3.5/10-57℃ ϕ2	3.5	35	100

SECTION VALVE SET

Deluge Section Valve	Working Pressure (bar)	Nominal Diameter
XSWFZ15/16	160	DN15
XSWFZ20/16	160	DN20
XSWFZ25/16	160	DN25
XSWFZ32/16	160	DN32
XSWFZ40/16	160	DN40
XSWFZ50/16	160	DN50

Wet Section Valve	Working Pressure (bar)	Nominal Diameter
XSWFZ20/16-B	160	DN20
XSWFZ25/16-B	160	DN25
XSWFZ32/16-B	160	DN32
XSWFZ40/16-B	160	DN40
XSWFZ50/16-B	160	DN50