

Fire Hydrant and Pump System

CAPABILITY SHEET · PUMP SET · MAIN · HYDRANTS · ENGINEERED TO ORDER

THE ONE IDEA

PRINCIPLE	Judge it at the farthest hydrant.
WHY IT MATTERS	A pump is tested at its own outlet, but the pressure that matters is what is left at the last hydrant after friction and height, so the main is sized from it and the system is proven there.

THE SYSTEM

PUMP HOUSE	A jockey pump, a main pump and a standby pump, each started at its own falling pressure, with a controller for each, a test line and a circulation relief.
MAIN	A main sized from the farthest hydrant, laid as a ring where it can be, with isolating valves and hydrants with outlet valves placed along it.
WATER	A water supply and suction the pumps can draw on without starving, because a pump cannot deliver more than its suction can feed.
RECORD	Pressure is logged at the pump house and at the farthest hydrant, so that what the system does can be seen.

THE METHOD

ORDER	Specify, size, install, commission, test and prove. Sizing from the farthest hydrant, and testing there, are what a quick order skips.
LIMITS	Pressures, flows and start set points come from the standard the customer names and from the site, and are not printed here.

CONFIGURATIONS

PUMP HOUSE	Jockey, main and standby pumps on a pressure cascade, in a room or on a skid, for a site that needs a standing supply.
MAIN AND HYDRANTS	The main and its hydrants and valves, for a site that already has pumps or a supply.
PORTABLE PUMP SET	An engine-driven pump set that can be taken to a water source, for a site with no pump house.

STANDARDS & SCOPE

STANDARDS	Public references: NFPA 20 for stationary fire pumps, whose acceptance test runs a pump at no flow, rated flow and overload flow, and IS 13039 for external hydrant systems.
SCOPE BOUNDARY	It is the water: not a fire test facility, not a fire resistance rig, not a gas pipeline, and not sprinkler, foam, detection or alarm systems.
STATUS	Neometrix has quoted against successive fire hydrant and fire water pump requirements, and no delivered fire water system is claimed.

DEFENCE PROGRAMMES DESK

sales@neometrixgroup.com · +91 7777 876 876 · neometrixgroup.com
Neometrix Defence Limited · E-148, Sector 63, Noida, Uttar Pradesh, India