

DSP

Domestic Booster Unit



DSP Domestic Booster Unit

| | |
|-----------------------|-----------------------------------|
| Suction Flange | : 1 ¹ / ₄ " |
| Discharge Flange | : 1 ¹ / ₄ " |
| Operating Pressure | : 10 Bar |
| Operating Temperature | : 0 - 60°C |
| Flow Range | : 0 - 4 m ³ /h |
| Man. Head Range | : 20 -75 m |
| Speed Range | : 3000 rpm |



Fields of Application

Drinking water supply and distribution networks,

Water pressurization in domestic and commercial buildings,

Garden irrigation.

Design Specification

Vertical-shaft, non-self-priming, multistage centrifugal pump, driven by a standard single-phase electric motor, equipped with Noryl impellers.

The system includes a dry-run protection level float switch, a low-noise check valve, a base frame, and vibration-damping rubber feet as part of the installation.

Direct connection of the motor output shaft to the pump shaft by means of a rigid coupling offers maintenance advantages.

The pressure-resistant casing and flow-through components are secured between the pump top and bottom using casing studs.

A 50-liter expansion tank compliant with German hygiene standards is used, ensuring no odor formation or bacterial growth in the water.

The pump rotates clockwise when viewed from the motor side.

Shaft Specifications

A shaft made of milled AISI420 material is used.

Seal Applications

Mechanical seals are used as standard.

The mechanical seal is lubricated with pumped liquid

Bearing

The bearings of the motor are used as bearings in DSP pumps. There is also a sliding bearing made of NBR material at the bottom.

Pump Coding

DSP 3000 - 9

Series Name

Pump Type

Number of Stage

| PART NAME | MATERIAL | | | | | |
|---------------|----------------|------------|----------|----------|----------|-------|
| | Cast Iron GG25 | AISI 430 F | AISI 430 | AISI 420 | AISI 304 | Noryl |
| Inlet Casing | ● | | | | | |
| Outlet Casing | ● | | | | | |
| Impeller | | | | | | ● |
| Stage Casing | | | ● | | | |
| Shaft | | ● | | | | |
| Pump Guard | | | | | ● | |

● Standard Material



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