

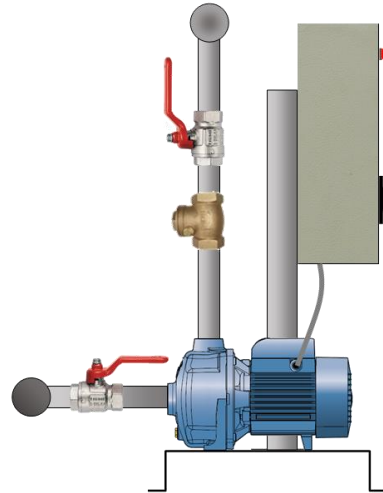


HydroBoost Duplex Pressure Boosting System

GRAND HydroBoost Duplex constant speed models are specifically designed as a compact, easy to install and maintain package for applications where sufficient main pressure is not available or elevation is a problem. Typical installations include residences, apartment buildings, condominiums and light commercial applications.

Features and Specifications

- Ambient temperatures up to 40°C
- Flow range 40 L/m to 450 L/m
- Pressure 2 bar to 6 bar
- Steel frame and base
- Hot dip galvanized manifolds with BSP/flanged connections
- Cast Iron horizontal centrifugal pumps (AISI 304 Optional)
- 220/1 or 400/3 premium efficiency motor
- Main system disconnect - NEMA 1 enclosure
- Check valves - non-slam silent type
- Isolation valves - ball or wafer type, low loss



Standard Control Functions

- Automatic cascade control of pumps, • Individual protection breaker & motor contactor with overload protection, • Manual Lead/lag alternation • Hi pressure cut-off alarm • Motor over-load alarm indication, • Audible alarm with silence switch and kick-back, • Power ON & Pump ON indication

Optional Control

- Microprocessor controller with BacNet output for BMS, • Stop function at low flow, • Inlet pressure alarm, • Dry running protection, • Auto Lead/lag alternation • Pressure reducing valve • Surge Pressure Tank

Typical Installation

Compact Footprint - Ideal for retrofit installations and new construction.

Pump Specification

Pump Type	Horizontal end suction centrifugal
Pump Body	Cast iron
Impeller	Stainless Steel AISI 304
Shaft	Stainless steel EN 10088-3 - 1.4104
Bearings	6203 ZZ / 6203 ZZ
Mechanical Seal	Ceramic / Graphite / NBR
Operating temperature	-10 to + 90°C
Max Operating pressure	10 bar
Motor	TEFC, 2 pole, Insulation class F, Protection degree IPX4, IEC 60034-30

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