



VARIABLE SPEED PRESSURE BOOSTER SYSTEMS

- VSD.20- MULTINOX



VSD.20- MULTINOX is a booster set assembled with 2 MULTINOX multi stage centrifugal pumps and 2 VSD1 or VSD1 Basic inverters. Designed to provide variable flow at constant pressure.

- SUITABLE FOR CONTINUOUS WORKING
- ENERGY SAVING
- HIGH HYDRAULIC EFFICIENCY

OPERATION

The frequency control enables the delivery of variable flow at constant pressure by automatically reducing or increasing the motor speed according to water demand. When the maximum flow rate of the first pump is reached, the control system runs at pump at its maximum speed.

If the first pump is not enough, the second inverter starts the second pump in order to maintain the desired operating pressure. The unit automatically stops when water demand is over and the system reaches the set point.

In the event of a fault, the display will show the cause of the system shutdown.

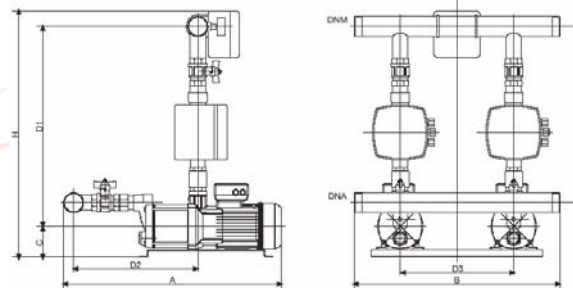
Booster sets operated by VSD1 Inverters enable the cyclical changeover of pumps.

APPLICATIONS

VSD booster sets are the ideal solution in applications characterized by a need for variable flow at constant pressure:

- Water supply systems
- Pressure boosting
- Washing systems
- Irrigation

DIMENSIONS AND WEIGHTS



CODE	MODEL	Dimensions							DNA	DNM	Weight kg.
		A	B	C	H	D1	D2	D3			
UI600710	VSD1 basic-20/MULTINOX 80/48	570	580	170	790	580	320	310	1" 1/2	1" 1/2	47
UI600700	VSD1-20/MULTINOX 80/48	570	580	170	790	580	320	310	1" 1/2	1" 1/2	48
UI600720	VSD1-20/MULTINOX 120/60	590	580	170	790	580	340	310	1" 1/2	1" 1/2	50
UI600730	VSD1 basic-20/MULTINOX 120/60	590	580	170	790	580	340	310	1" 1/2	1" 1/2	49

PUMP PERFORMANCE

CODE	MODEL	Motor power		Supply voltage V	Output voltage V	Amp. A	Q	Discharge head in meters				
		HP	kW					L/1'	40	80	120	160
UI600710	VSD1 BASIC-20/ MULTIONX 80/48	2X1.1	2X0.8	1-230	3-230	2X3.8	Discharge head in meters	2.4	4.8	7.2	9.6	12
UI600700	VSD1-20/MULTIONX 80/48							37	29	20	9	
UI600720	VSD1-20/MULTIONX 120/60	2X1.7	2X1.25	1-230	3-230	2X3.5		53	46	36	25	4
UI600730	VSD1basic-20/MULTINOX 120/60											