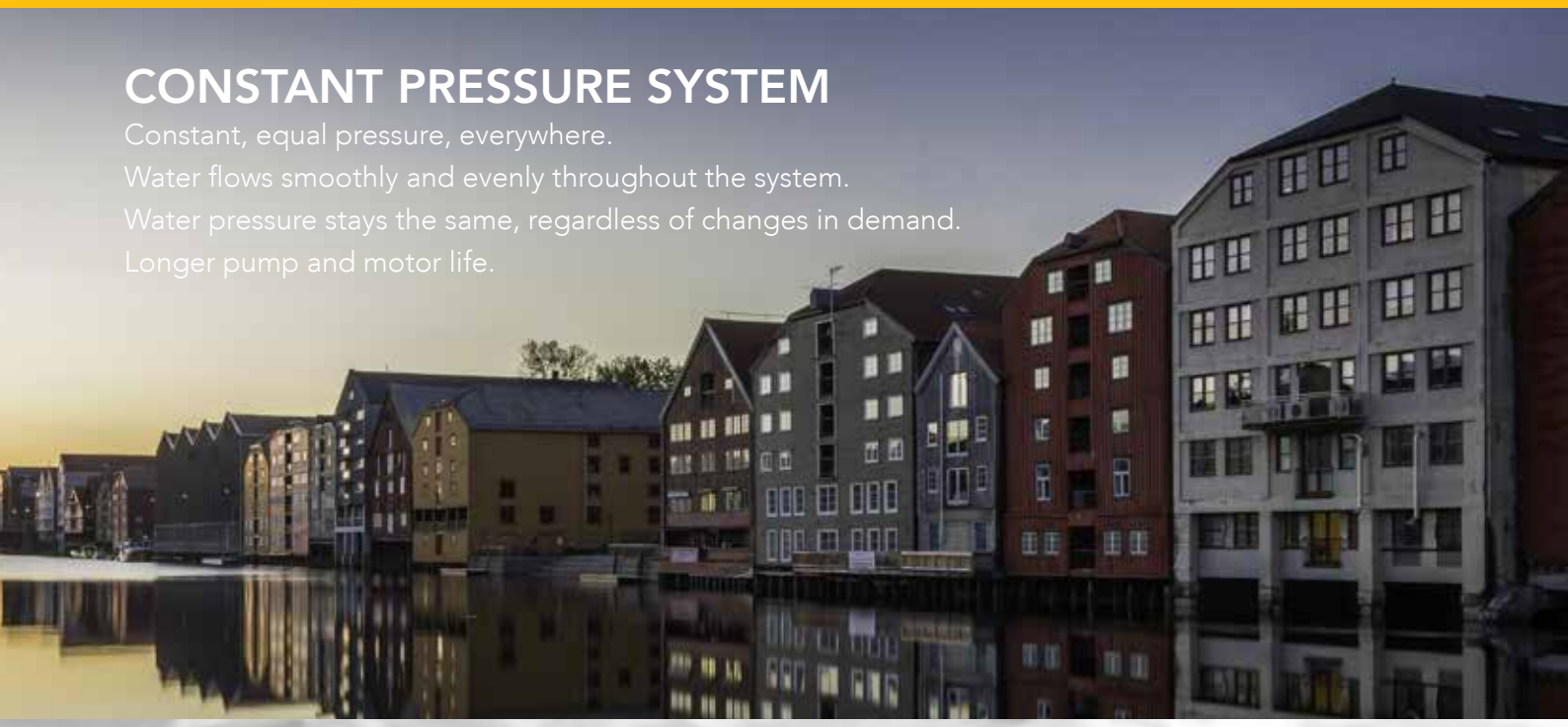
Stainless Steel

Inverter System

Booster VFD Series

MCKARLEN



CONSTANT PRESSURE SYSTEM

Constant, equal pressure, everywhere.
Water flows smoothly and evenly throughout the system.
Water pressure stays the same, regardless of changes in demand.
Longer pump and motor life.

Specification

Fluid Temp.	: 0-90°C
Horse Power	: 3/4 - 2 HP
PH	: 6 - 8
Motor Class	: F
Insulation	: IP55
Max. Set Pressure	: 5 Kg/cm²

Application

- Home pressure booster system
- Commercial and spa water system
- Sprinker and watering system
- A/C & Heater circulation system
- RO filtration system

Features

Plug and play
Easy touchpad operation to adjust desired pressure

Modular Design
Easy maintenance design of hardware and sofware module

Hygienic design
All surface in contact with water is stainless steel 304

Silence soft start mechanism
Design to reduce noise in the system and avoid water hammer

Aqua Intellegent Program (AIP)
a. Cycle detecting mode
b. Exercise mode
c. Dry run protection

VFD Inverter Controller

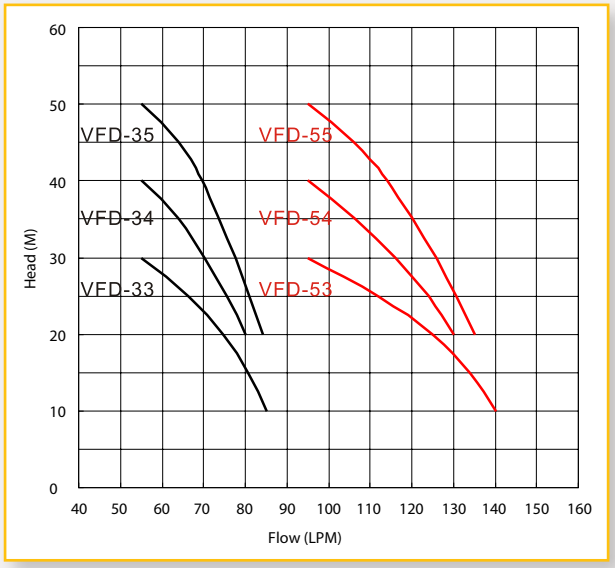
The McKarlen VFD Controller is easy to operate. It provides effective and easy interface with easy touchpad operation that allows easy configuration for most domestic water control applications.The LCD display gives accurate information about the actual operation of the pump in realtime.

VFD Inverter System

VFD Inverter System controls changes in pump motor speed, responding to fluctuating demands of water. If water pressure starts to drop, an electronic pressure transmitter signals the drive to accelerate the pump motor to increase water volume.

- High grade diaphragm Pressure Tank with the best quality pressure vessels available today.
- Electronic variable speed pump controller with inverter technology ensures high energy savings, constant water pressure, safety and reliability.
- Valve for easy setup and adjustments.
- Standard dual scales Pressure Gauge with pressure indication in bar and PSI.
- Superior quality cross check Valve.
- Easy to reach Priming Plug.
- High grade stainless steel pump casing with a strong resistance to corrosion and wear.
- Easy to remove Plug.
- Class F motor designed to withstand high temperature suitable for high ambient location, when the motor may experience overloads due to poor supply voltage.
- Nuts to tighten pump to the base.
- Base to secure flat position of the pump.

Performance Curve



Technical Data

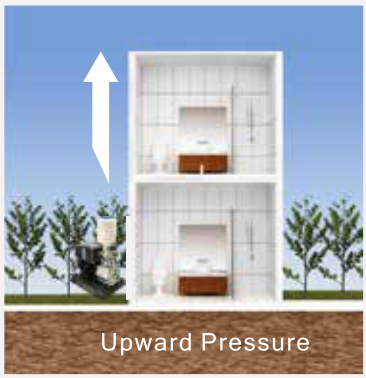
Model	Max Constant Presure (Kg/cm ²)	Constant Pressure / Constant Flow (LPM)				
		1.0Kg/cm²	1.5Kg/cm²	2Kg/cm²	2.5Kg/cm²	3Kg/cm²
VFD-33	3.0	85	80	75	65	55
VFD-53		140	130	125	110	95

Model	Max Constant Presure (Kg/cm ²)	Constant Pressure / Constant Flow (LPM)				
		2Kg/cm²	2.5Kg/cm²	3Kg/cm²	3.5Kg/cm²	4Kg/cm²
VFD-34	4.0	80	75	70	60	55
VFD-54		130	125	115	105	95

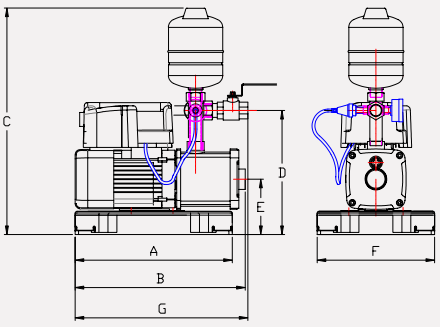
Model	Max Constant Presure (Kg/cm ²)	Constant Pressure / Constant Flow (LPM)				
		2Kg/cm²	3Kg/cm²	4Kg/cm²	4.5Kg/cm²	5Kg/cm²
VFD-35	5.0	85	75	70	60	55
VFD-55		135	125	115	105	95

Specification

Model	Input		Inlet		Outlet		Max Flow (LPM)	Max Head (M)	Weight (Kg)
	HP	W	mm	inch	mm	inch			
VFD - 33	3/4	550	25	1″	25	1″	90	40	14
VFD - 34	1	750	25	1″	25	1″	90	55	15.5
VFD - 35	1 1/2	1125	25	1″	25	1″	90	68	16.5
VFD - 53	1	750	32	1-1/4″	25	1″	140	42	15.5
VFD - 54	1 1/2	1125	32	1-1/4″	25	1″	130	55	16.5
VFD - 55	2	1500	32	1-1/4″	25	1″	145	68	21



Dimension



Model	A	B	C	D	E	F	G
VFD-33	364	347	510	280	127	272	400
VFD-34	364	362	510	280	127	272	400
VFD-35	364	380	510	280	127	272	400
VFD-53	364	326	510	280	127	272	400
VFD-54	364	344	510	280	127	272	400
VFD-55	364	410	525	295	142	272	400

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