

MHR20 Series

Rain/Mains Changeover Systems
MaxiSAVE 20mm Rain/Mains Systems



Application

- The MHR20 Series is a fully Automatic Hydraulic Rain/Mains water changeover device designed for pressure pump supply systems in harvesting rainwater for the toilet, laundry and household applications with automatic mains backup.
- The MHR20 Valve is designed to operate with an electronic pressure controller with auto restart not requiring a float switch. This design makes the MHR20 System very simple to install.
- The MHR20 Valve comes with 3/4" outlet, which makes the system ideal for domestic applications. Certified to: WaterMark ATS 5200.477 WMK 60075 Complies with AS/NZS 3500.1 when installed by a licensed plumber.

Note: Should the static mains supply be greater than 400 kPa above the supply pressure of the pump the device will not completely isolate mains water.

Valve Specifications

- Max Mains Pressure 500 KPa
- Max Pump Pressure 600 KPa
- Flow Rate >50 LPM
- Max Water Temperature 40°C
- Rainwater Inlet 25mm 1" BSP F
- Mains Water in 20mm 3/4" BSP F
- Outlets 20mm 3/4" BSP F

Construction

- Pump Body: AISI 304 Stainless Steel
- Impeller: Stainless Steel
- Motor Shaft: Stainless Steel
- Mech seal: Ceramic / Graphite / NBR

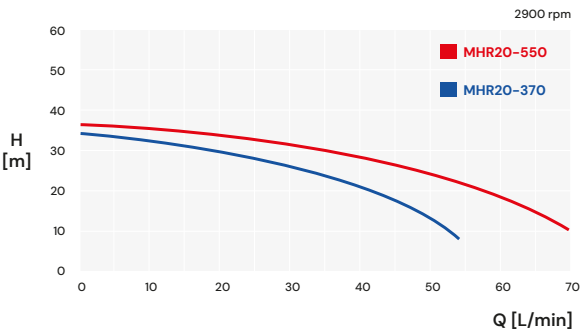
Technical Data

Model	Description	Power (kW)	Head (m)	Flow (L/min)	Outlets	Applications
MHR20-370	Hyjet Hydraulic Rain/Mains System with HSJ370 Pressure Pump	0.37	36	55	3	Single Storey
MHR20-550	Hyjet Hydraulic Rain/Mains System with HSJ550 Pressure Pump	0.55	38	70	4	Double Storey

MHR20-370/550

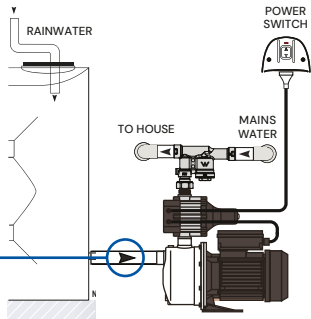


Performance



Installation Guide

Y strainer and Ball valve must be included in external suction line.



MaxiSAVE®

MHR20-640A Submersible Option

Application

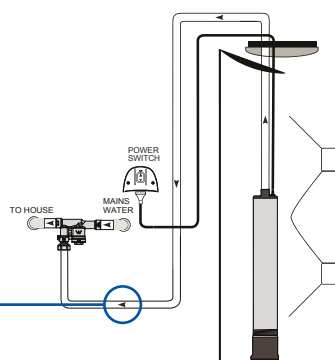
- Australian made changeover valve
- Easy to install
- Does not require regular maintenance
- MHR20 valve – solid brass construction
- No in-tank float required
- Mains pressure not limited
- Certified dual check valve for backflow prevention

Construction

- Pump casing: Stainless steel AISI 304
- Motor shaft: Stainless steel AISI 304
- Impellers: Technopolymer
- Diffuser: Technopolymer
- Double mechanical seal: silicon carbide – graphite / ceramic – graphite
- Motor IP68
- Cooled motor (by water) of Class F and thermal protection
- Electric power cable HO7RN 5m with 3 pin

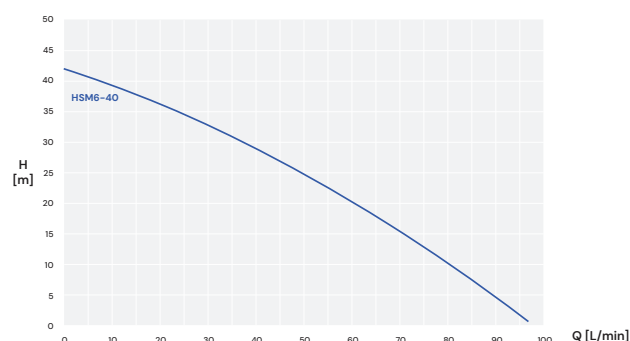
Installation Guide

Y strainer and Ball valve must be included in submersible delivery line.



WaterMark
ATS 5200.477 Lic WMKA22118

Performance



Technical Data

Model	Power		Max. FLOW (L/min)	Max. HEAD (m)	Outlets	Storey – Suitable for	Connection	
	(kW)	(HP)					Outlet (mm)	Mains Inlet
MHR20-640A	0.75	1	115	36	4	Single & Double	¾" (F)	¾" (F)



Maxijet
AUSTRALIA

1800 629 453
03 9336 1000

sales@maxijet.com.au
www.maxijet.com.au

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