

# JMP SERIES

## MOULDED DOMESTIC JET PUMP

Horizontal, single-stage, surface mounted jet pump with closed impeller for pumping debris-free water, integrated with a cool running Totally Enclosed Fan Cooled 2 pole motor with inbuilt thermal overload.



## APPLICATIONS

Domestic pressure systems (with ONGA PressControl), irrigation, garden water supply and transfer.

## PUMP INFORMATION

Type	No. of stages	Noise levels dB(A)			
		Open valve -side	Shut valve -side	Open valve -rear	Shut valve -rear
JMP100/ JMP110	1	71	69	73	73

## PUMP CONSTRUCTION MATERIALS

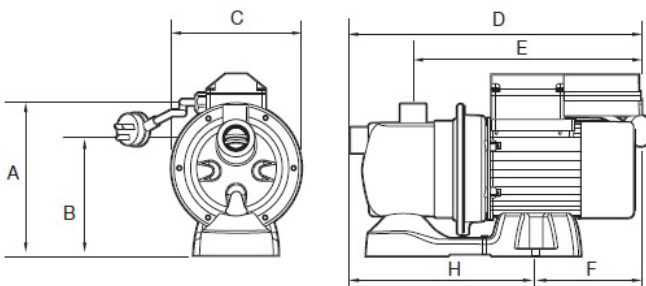
Component	Material
Pump casing	Polypropylene
Baffle	Technopolymer
Priming cap	Noryl
Impeller	Technopolymer
Diffuser	Noryl
Jet/Venturi	Noryl
Seal flexible bellows	Nitrile
Seal stationary face	Ceramic
Seal rotating face	Carbon
Seal spring	304 Stainless Steel
Motor shaft	416 Stainless Steel
O'Rings	Nitrile

## ELECTRICAL DATA

Model	PN	Type of current	Voltage ±10%	Frequency Hz	Motor rating kW		RPM min	Full Current	Locked rotor current	Motor protection	Insulation class	IP rating
					P1	P2						
JMP100	JMP1000	1-phase	230	50	0.45	0.3	2850	2.1 A	8.8 A	Inbuilt	F	IPX5
JMP110	JMP1100	1-phase	230	50	0.55	0.45	2850	2.6 A	17 A	Inbuilt	F	IPX5

## DIMENSIONS

Type	Pump L x W x H	Weight approx.	Packed L x W x H	Packed weight	Pump inlet	Pump outlet
JMP100/ JMP110	405 x 175 x 215 mm	6.7kg	445 x 220 x 310 mm	9kg	1" BSP (male)	1" BSP (male)



Model	A	B	C	D	E	D-E	F	H
JM100/ JM110	215	160	178	395	312	83	135	260

## KEY FEATURES

- Composite casing provides superior protection against corrosion
- Precision moulded internals for high efficiency and durability
- Coupled with a ONGA PressControl this becomes a reliable automatic pressure system with dry run protection
- Excellent priming capabilities
- Suction lift to 7.6m
- Inbuilt thermal overload
- Max. head - 38m
- Max. flow - 52lpm

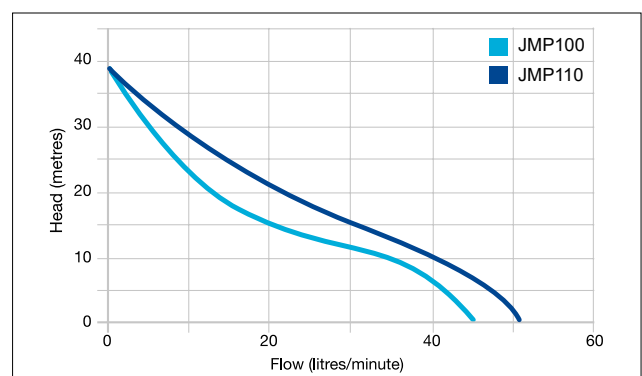
## OPERATING CONDITIONS

Fluid:	Water
Max. Water temperature:	40°C
Min. Water temperature:	1°C
Max. Ambient temperature:	50°C*
Min. Working pressure:	140kPa
Max. Working pressure:	600kPa

Suitable for pumping clean non-aggressive liquids without solids or fibres in suspension.

## PERFORMANCE

P/No	Suction depth capacity (m)	Flow	Capacity [L/minute]				
			0	10	20	30	40
JMP100	0	Capacity [L/minute]	45	36	15	6	-
	1.5		41	32	14	5	-
	3		36	29	12	5	-
	4.6		32	25	11	4	-
	6.1		26	21	9	3	-
	7.6		18	14	6	2	-
JMP110	0		52	44	22	9	-
	1.5		47	40	20	8	-
	3		42	35	18	7	-
	4.6		36	31	15	6	-
	6.1		30	25	13	5	-
	7.6		21	18	9	4	-



1-21 Monash Drive | Dandenong South, VIC 3175 | Australia | 1300 137 344 | onga.com.au

Information contained here-in remains the property of Pentair under Australian copyright law. Content may not be reproduced or transmitted without our prior written permission.

Disclaimer: Pentair reserves the right to change product specifications and products details. Product images are for reference purposes only and may not represent the actual/current product.

©2021 Pentair. All rights reserved.