

XP500H, XP700H & XP900H PRESSURE SYSTEMS WITH HYDRASCAN CL® CONTROL
Model Numbers: 72211, 72311 & 72411

DEPEND ON
DAVEY



Note: Also available in 220V 60Hz single phase and 110V 60Hz single phase.

XP PRESSURE SYSTEMS

PRODUCT DESCRIPTION

Economical, compact 50, 70 and 90lpm home pressure systems driven by a 2 stage centrifugal pump. The "Hydrascan CL" control module replaces the conventional pressure switch and provides constant pressure without cycling. This feature also provides loss of prime protection and over-temperature cut out.

APPLICATIONS

- Ideal for average to large homes with modern appliances
- Domestic water supply
- Pressure boosting
- Automatic water transfer
- Applications where pressure "cycling" must be avoided or where pump may have interrupted water supply

FEATURES & BENEFITS

Hydrascan CL controlled with adjustable cut-in pressure, LED status light and anti-scaling system

- Reduces pump cycling
- Protected against dry running
- Fail safe water over-temperature back-up for added peace of mind
- Easy to install in high static head situation
- Can be used with varying quality water
- Easy to trouble shoot

Two stage centrifugal pump with closed vane impeller

- Compact, efficient and quiet

In-built check valve

- Easy to install

Made from corrosion resistant stainless steel and engineering plastic materials

- Long service life
- Low maintenance

Discharge can be rotated through 360°

- Easy installation

FEATURES & BENEFITS

Davey manufactured TEFC permanently split capacitor motor

- Resistant to vermin, dust and dirt
- Suitable for frequent starts

Automatic resetting motor overload

- Protects the motor in the event of blockage or voltage supply problems

Double contact seal, C3 rated, high temperature grease packed bearings

- Longer life
- Quieter operation

Fitted with both suction and discharge check valves

- Added pump protection
- Reduces parts required for installation

OPERATING LIMITS

	XP500H	XP700H	XP900H
Capacities to Max.	53lpm	70lpm	94lpm
total head	30m	30m	31m
Cut-in pressure	150kPa ±20kPa		
Min. setting	120kPa		
Max. setting*	550kPa		
Cut-out flow rate	2lpm		
Max. liquid temp.	50°C		
Max. ambient temp.	55°C		
Max. suction lift	7m		
Inlet size	1 1/4" BSP(F)		
Outlet size	1" BSP(F)		

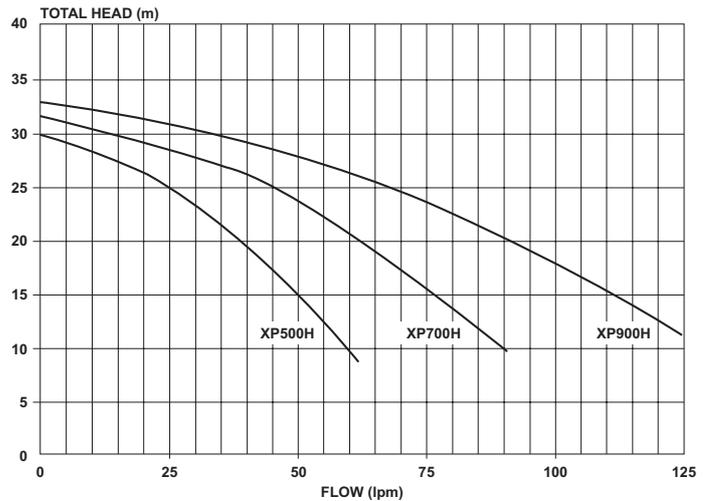


TECHNICAL SPECIFICATIONS

MATERIALS OF CONSTRUCTION

PART	MATERIAL
Impellers	Glass filled polycarbonate
Pump casing	304 stainless steel
Pump shaft	303 stainless steel
Internal check valve	Nylon 66
Internal check valve spring	Stainless spring steel
Internal check valve holder	Glass filled noryl
Impeller lock nut	Glass filled nylon
Clamp band	304 stainless steel
Inlet port	Glass filled noryl
Tank	304 stainless steel
Diaphragm	Nitrile butadiene
Seal ring (stationary)	Ceramic
Seal ring (rotating)	Carbon
Seal spring	304 stainless steel
Orings	Nitrile rubber
Diffuser / blanking ring	Glass filled noryl
Hydrascan body	Glass filled noryl
External check valve body	Glass filled nylon
External check valve spring	316 stainless steel

HYDRAULIC PERFORMANCE

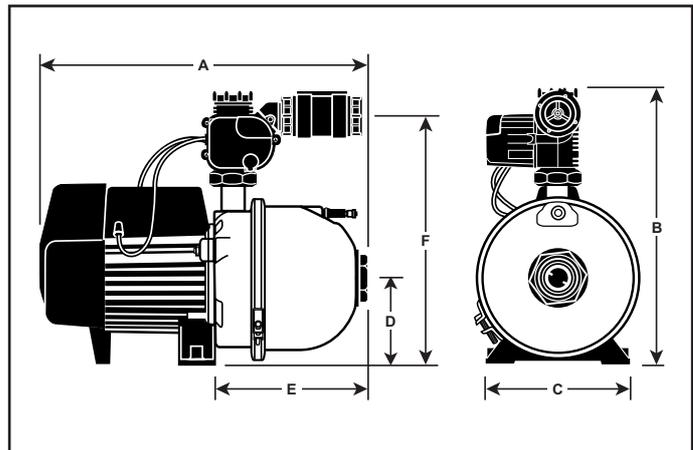


ELECTRICAL DATA

Supply voltage
Supply frequency
Input power (P₁)
Output power (P₂)
Full load current
Locked rotor current
Starting
Insulation class
IP rating
Speed

XP500H	XP700H	XP900H
220-240V		
50Hz		
0.83kW	0.9kW	1.15kW
0.58kW	0.6kW	0.80kW
3.5A	3.8A	5.2A
12A	12A	18A
P.S.C.		
Class F		
55		
2 pole, 2850rpm		

DIMENSIONS



Model	A	B	C	D	E	F	Mounting Holes Dia.	Inlet B.S.P.	Outlet B.S.P.	Net Weight (kg)
XP500H	384	333	195	102	181	295	10	1 1/4" F	1" F	9.1
XP700H	384	333	195	102	181	295	10	1 1/4" F	1" F	9.1
XP900H	409	333	195	102	181	295	10	1 1/4" F	1" F	10.4

All dimensions in mm unless otherwise stated.

INSTALLATION & PRIMING

- On installations with suction lifts over 1m, a good quality foot valve should be fitted. In this case the check valve chock supplied must be fully screwed into the suction inlet before installing suction piping.
- The system is primed by filling the pump and suction line with water through the priming port, and replacing priming plug prior to switching on.
- The yellow push button on the "Hydrascan" unit should be held in while the pump is establishing prime.

This literature is not a complete guide to product usage. Further information is available from your Davey dealer, Davey Customer Service Centre and from the relevant product Installation and Operating Instructions. This data sheet must be read in conjunction with the relevant product Installation and Operating Instructions and all applicable statutory requirements. Product specifications may change without notice.

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