YOU CAN DEPEND ON
DAVEY



Model Number:
XP45T

GUARANTEE
2 YEARS

APPLICATIONS

Ideal for pumping clean, non-volatile liquids without fibres or solids in such applications as household water supply, irrigation, water transfer and washing systems.

Tested in compliance with
AS/NZS 4020
for use in contact with safe drinking water

DAVEY
XP Series

SINGLE STAGE JET ASSISTED PRESSURE SYSTEM

FEATURES & BENEFITS

Designed for small to medium size, single storey homes.

The XP Series home pressure system consists of an XP pump fitted with a Torrium2 controller. The Torrium2 is supplied connected electrically to the XP pump motor for:

- Easy non-tradesmen installation and assembly
- Positive safety under varied weather conditions

The combination of the high pressures supplied by the jet assisted XP pump and constant flow control provided by the Torrium2 enables you to enjoy the benefits of a strong comfortable shower from a pump that does not cycle plus the reliability of adaptive technology.

Compliance with the strict requirements of ISO 9001.2000 quality standards ensures consistency of quality of the system.

TORRIUM2 CONTROLLER
For more information visit daveywater.com

PUMP
Made from corrosion resistant engineering plastic materials ensuring:

- Long service life
- Low maintenance
- Reliable water quality

Single stage jet assisted centrifugal pump with closed vane impeller for:

- Compact size
- High pressure performance

High quality, low-drag mechanical shaft seal for long life and reliable starting.

Home Pressure Systems

DAVEY

MOTOR

The Davey manufactured TEFC motor has an IP55 enclosure providing:

- Excellent corrosion resistance
- High levels of resistance to dust and rain

All XP pump motors are class F insulation rating and have higher than normal ambient temperature ratings of 50°C, providing for longer life, improved tolerance to voltage variations and peace of mind, even on the hottest days.

All XP pump motors are single phase permanently split P2 'fail safe' capacitor design for:

- Reliable starting even in low voltage circumstances
- Superior frequent starting performance

Single phase motors are protected against both high operating temperatures and high current by a built in, automatically resetting thermal overload.

Double contact C3-HTG sealed bearings for quieter running and longer life.

Corrosion resistant feet on motor shell, include three point bolt-down facility.

Standard models are 220/240 volt, 50Hz, single phase. XP models in 60Hz 110/115 volt and 220/230 volt single phase available on request.

OPERATING LIMITS	
Maximum system pressure	450kPa
Capacities to	45 lpm
Maximum total head	32m
Maximum suction head	6m
Maximum ambient temperature	50°C
Maximum water temperature	50°C
Maximum suction lift	6m
Minimum water temperature	1°C

Torrium2 cut-in pressure is normally 80% of the pumps last shut-off head.

ELECTRICAL DATA	
Supply Voltage	220-240V
Supply frequency	50Hz
Nominal speed	2850rpm
Input power (P1)	0.65kW
Output power (P2)	0.45kW
Full load current	3.0 amps
Locked rotor current	12 amps
Starting	P.S.C.
Enclosure class	IP55
Insulation class	Class F
Pressure switch cut-in	140kPa

Note: All performance at 240V 50Hz

	TORRIUM2
Voltage	110V-240V±10%
Phase	Single
Hz	50 / 60
IP rating	56
Maximum load current	10A
Maximum motor size*	1.8kW
Surge protection	Varistor

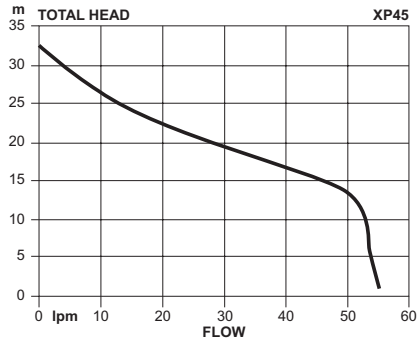
*At 240V input

MATERIALS OF CONSTRUCTION	
PART	MATERIAL
Pump	
Impellers	Glass filled polycarbonate
Pump casing	Glass filled noryl
Pump shaft	303 stainless steel
Check valve spring	303 stainless steel
Seal ring (stationary)	Ceramic
Seal ring (rotating)	Carbon (synthetic)
Seal spring	304 stainless steel
Orings	Nitrile rubber
Jet	Acetal
Venturi/coverplate	Glass filled noryl
Seal ring elastomer	Nitrile rubber
Priming plug	Glass filled noryl
Motor shell	Marine grade aluminium
Motor shell finish	Baked polyester
Torrium2	
Housing	Glass fibre reinforced nylon
Pressure tank diaphragm	Santoprene 87
Pressure tank springs	Molybond coated tempered steel
Sensor plate	316 Stainless Steel
Inlet union	Glass fibre reinforced nylon
O-rings	Nitrile

INSTALLATION AND PRIMING

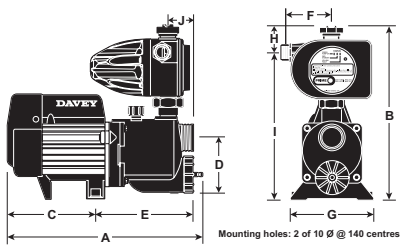
- Installations with suction lift require a good quality foot valve to avoid loss of prime - remove in-built check valve.
- To prime, fill pump body and suction line through priming plug hole located above suction inlet and replace plug.

HYDRAULIC PERFORMANCE



DIMENSIONS (mm)

Model	A	B	C	D	E	F	G	H	I	J	Inlet	Outlet	Net Weight kg
XP45T	391	370	183	134	195	115	170	75	295	50	1" F	1" M	7.5



H/O & MFG SCORESBY
Certified System Quality ISO 9001
Certified System Environment ISO 14001

daveywater.com

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