

DAVEY



BT SERIES



**Economical, Quiet,
Easy to Install**



AIRLEAVE
HOME PRODUCTS

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WHY CHOOSE THE DAVEY BT Home Pressure System?

WATER PRESSURE SYSTEM

The Davey BT booster pressure system consists of a robust centrifugal pump fitted with the intelligent Davey Torrium@2 water pressure controller to deliver boosted water pressure to your home or other application. Consumers can enjoy strong and seemingly constant water pressure due to Torrium@2's constant flow operation.

Due to large water pathways, Torrium@2 operates with a lower head loss than comparable water pressure controllers to provide superior hydraulic performance with less wasted energy.

TORRIUM@2 CONTROLLER

Pressure Boosting

Torrium@2 boosts low or fluctuating mains water pressure to give you strong, even water pressure for your comfort and convenience. Torrium@2 can also pressure boost water from rainwater tanks.

Constant Flow and Even Water Pressure

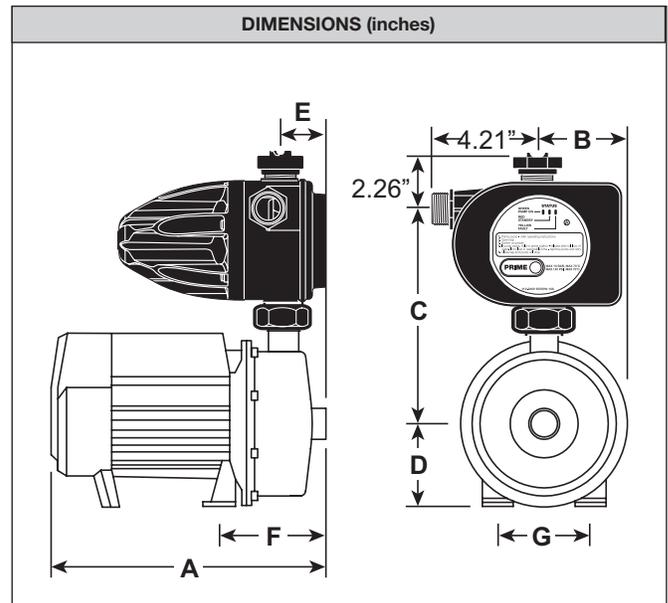
To prevent annoying fluctuations in water temperature during showers, Torrium@2 uses its intelligence to provide households with constant flow to provide even water pressure. It does this with its innovative pressure and flow sensors to start the pump on a pressure drop and to stop it on low flow (~0.26 gpm). This avoids pump cycling when there is continuing household demand for water.

Quick Cut-in for Even Pressure

To give you strong pressure right from the start, Torrium@2 is designed to cut in quickly when it senses demand for water. It cuts in when the pressure has dropped to 80% of the previous top (shut-off) pressure. Torrium@2 automatically sets this cut-in pressure each time the pump stops. In doing so, Torrium@2 automatically adapts to variations in pump performance or site conditions.

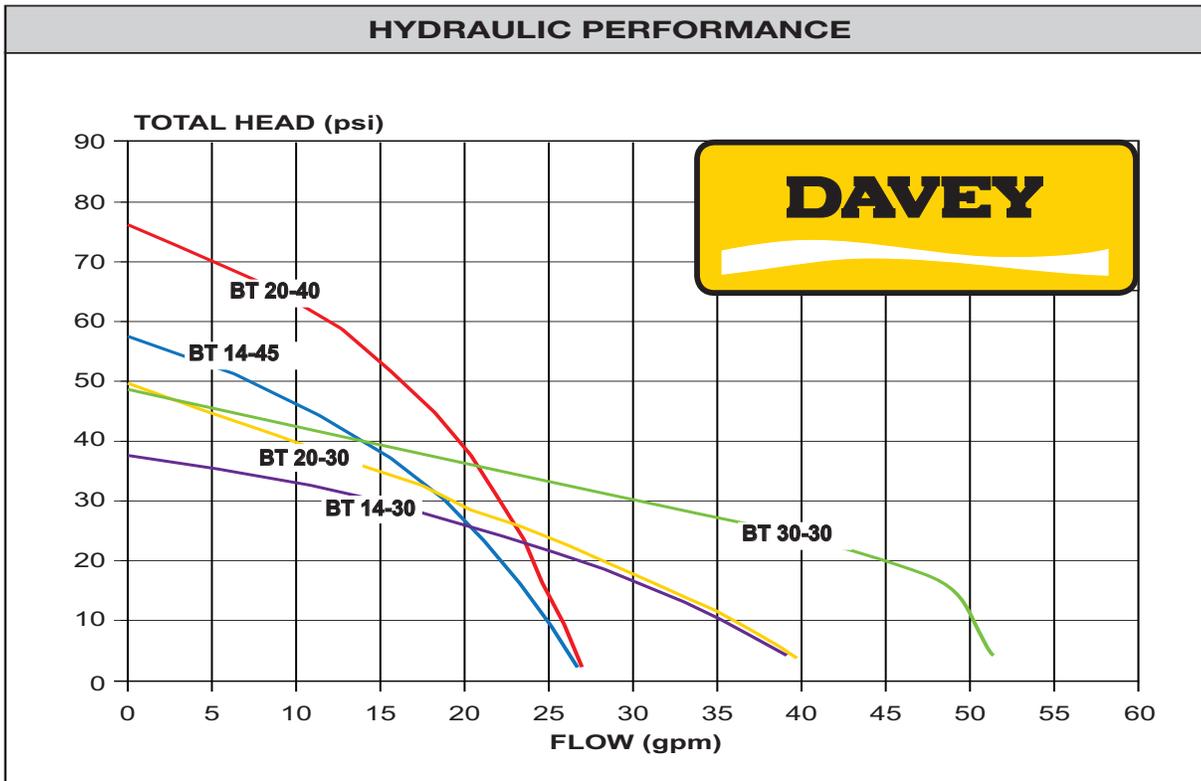
Applications

- Residential water supply
- Light Commercial
- Irrigation
- Water transfer
- Washing systems
- Pressure boosting



Model	A	B	C	D	E	F	Inlet	Outlet	Net Weight (lbs)	G Hole Diameter @ Centres	
BT14-30	13.80	4.33	12.20	4.33	2.40	5.70	1 1/4" F	1" M	26.50	0.35	4.72
BT20-30	17.40	3.35	8.00	3.54	5.31	8.85	1 1/4" F	1" M	27.30	0.27	3.93
BT14-45	15.35	3.35	8.00	3.54	2.95	6.81	1" F	1" M	25.40	0.27	3.93
BT20-40	17.40	3.35	8.00	3.54	5.31	8.85	1" F	1" M	27.30	0.27	3.93
BT30-30	16.14	4.72	5.67	4.76	2.00	5.83	1 1/4" F	1" M	16.25	0.35	5.51

HYDRAULIC PERFORMANCE



ELECTRICAL DATA					
Model	BT14-30	BT20-30	BT14-45	BT20-40	BT30-30
Voltage/phase/frequency	120V/1/60Hz			220-240V/1/60Hz	
Full Load Current (A)	7.8	8.2	7.3	4.7	7.0
Horsepower	1hp	1hp	1hp	1.25hp	1.5hp
Maximum Pump Boost	38	50	58	78	50

Add incoming pressure to maximum pump boost for shut off pressure.