

DAVEY



BIT SERIES



Economical, Quiet, Easy to Install

**Applications where incoming water supply is not pressurized.
Great for cisterns!**



AIRALEAVE
HOME PRODUCTS
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WHY CHOOSE THE DAVEY BIT Home Pressure System?

WATER PRESSURE SYSTEM

The Davey BIT 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 water where the supply is not pressurized 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

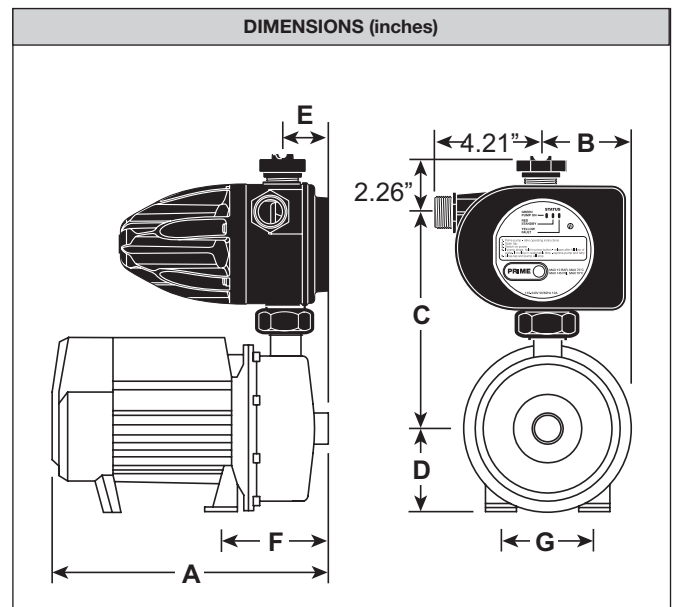
To prevent annoying fluctuations in water temperature during showers, Torrium@2 uses its intelligence to provide households with constant flow to provide even water pressure. It does this with its innovative pressure and flow sensors to start the pump on a pressure drop and to stop it on low flow (~0.26 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.

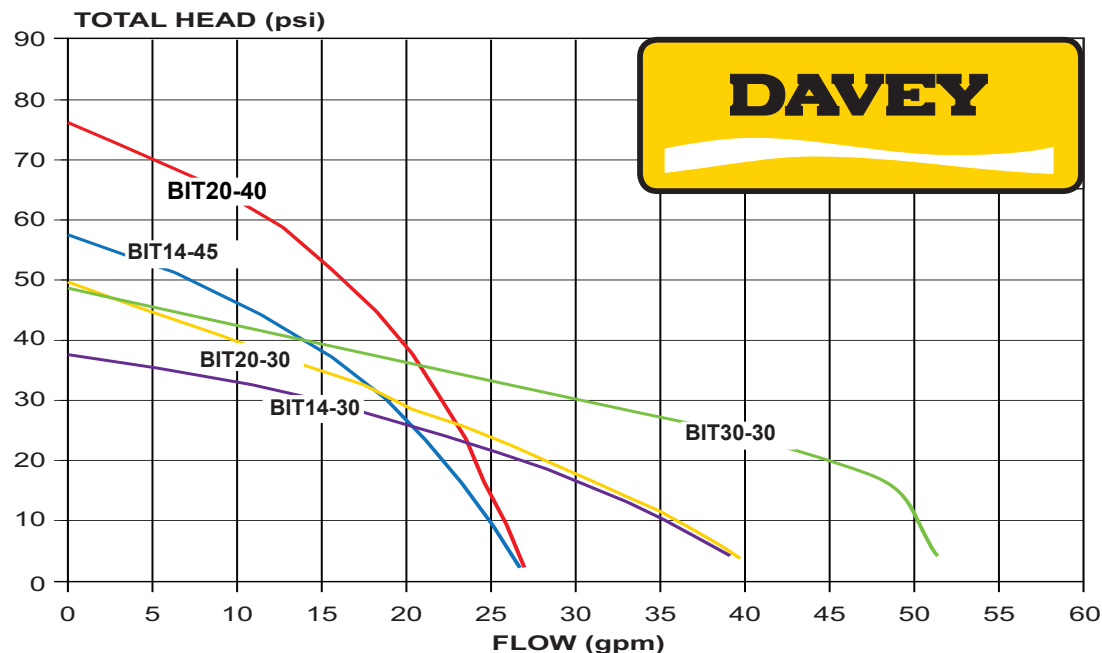
Applications

- Where incoming water supply is not Pressurized
- 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	
BIT14-30	13.80	4.33	12.20	4.33	2.40	5.70	1 1/4" F	1" M	26.50	0.35	4.72
BIT20-30	17.40	3.35	8.00	3.54	5.31	8.85	1 1/4" F	1" M	27.30	0.27	3.93
BIT14-45	15.35	3.35	8.00	3.54	2.95	6.81	1" F	1" M	25.40	0.27	3.93
BIT20-40	17.40	3.35	8.00	3.54	5.31	8.85	1" F	1" M	27.30	0.27	3.93
BIT30-30	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	BIT14-30	BIT20-30	BIT14-45	BIT20-40	BIT30-30
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

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