

DEPEND ON
DAVEY



DAVEY EvoDrive

SMART.
STEADY.
QUIET.

INTELLIGENT CONSTANT PRESSURE BOOSTER PUMP

Model Number:
ED16-40NPT

WARRANTY
2 YEARS

FEATURES & BENEFITS

The **EvoDrive** combines intelligent control technology with robust, efficient design—delivering **quiet, reliable,** and **customizable water pressure performance** for both home and light commercial use.

Performance & Control

Stay in control with adaptive technology that responds to your needs:

- **Constant pressure** output with **Variable Speed Drive (VSD)** – adapts automatically to water demand
- **Customizable pressure settings** for tailored performance
- **Illuminated digital touch panel** – simple to monitor, easy to adjust
- **On-screen fault alerts** help diagnose issues early and reduce downtime

APPLICATIONS

The EvoDrive is the perfect choice for domestic water pressure boosting in medium-sized homes and for light commercial applications such as cafés, small offices, or retail outlets. It delivers consistent, reliable water pressure across a range of everyday water use scenarios.

Whether for home or business, EvoDrive excels in:

- Pressurizing from the city main
- Pumping clean water from below-ground storage tanks
- Supporting reverse osmosis systems for purified water supply
- Lawn and turf irrigation — keeping gardens or small green spaces healthy
- Working with pressurised well tanks (similar to 40/60 PSI cut-in/out setups)
- Operating in duty/standby or parallel pumping configurations when paired in a dual-pump setup — ensuring backup and efficiency in more demanding environments

From residential comfort to reliable small-business performance, EvoDrive is built to meet your water pressure needs with smart, quiet efficiency.

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WHY CHOOSE EvoDrive?

Whether you're upgrading your home water system or seeking a dependable solution for a light commercial application, EvoDrive delivers a modern, intelligent pumping solution that combines performance, durability, to give a user friendly experience.

Ideal for homeowners and small business operators who need:

- **Consistent and strong water pressure for showers, taps, or service points**
- **Quiet and efficient operation - perfect for residential zones or customer-facing spaces**
- **Low-maintenance functionality with self-monitoring features for added peace of mind**

FEATURES & BENEFITS

Protection & Reliability

Engineered for peace of mind and effortless operation:

- **Dry run protection** prevents internal damage if water supply runs low
- **Loss of prime protection** improves reliability during suction interruptions
- **Plug-and-pump setup** – just install and it's ready to go
- Works in **duty/standby or parallel pump mode** when installed in dual configurations

Build & Efficiency

Built tough for longevity, designed smart for savings:

- **304-grade stainless steel impeller and casing** – corrosion-resistant and durable
- **Suction lift up to 13 ft (4 m)** – ideal for drawing from tanks or remote sources
- **Permanent magnet motor** ensures energy efficiency and ultra-quiet operation

DUAL PUMP CAPABILITY – FEATURES & BENEFITS

EvoDrive can be easily configured for **dual pump operation**, offering extended performance, reliability, and efficiency in more demanding environments.

Whether you need a **standby backup** or **combined output**, the system adapts intelligently:

- **Dual pump output** supports **duty/standby or parallel mode** configurations (Connection cable sold separately)
- **Simple single-cable setup** enables fast pairing - no complex programming
- **Alternating pump cycles** reduce wear by sharing the load during normal operation
- **Automatic combined output** during peak demand for increased flow performance

This makes EvoDrive an excellent choice for applications where **high reliability or variable water demand** is required — such as multi-tap households, small commercial premises, or irrigation zones.



Suggested dual manifold installation only, not available for purchase.

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APPLICATIONS

Well Tank or Rainwater Tank

Pressure	Flow
60psi	10.5gpm up to 5 faucets



Boosting City Mains @35psi inlet

Pressure	Flow
60psi	21gpm up to 10 faucets



*Suitable for a wide range of homes

Based on 2.2 gpm average flow per outlet running simultaneously

OPERATING LIMITS

Flow rate @ 60psi	10.5 gpm (factory set point)
Flow rate @ 40psi	16 gpm (BEP)
Flow rate @ 20psi	22 gpm
Maximum casing pressure	145psi
Default set pressure	60psi
Maximum pressure	101.5psi
Maximum flow	28 gpm
Maximum suction lift	13ft (7psi less than operator set pressure)
Default cut-in pressure	35psi
IP rating	X5
Operating ambient/air temp range	32-122°F
Pressure tank valve connection	Schrader valve
Tank pre-charge (default)	26-29psi
Max humidity	93%
Operating water temp range	37-158°F
Nature of fluids	Clean, clear, non-corrosive, with neutral pH
Solids in Fluid	Maximum sand/silica concentration 0.04oz/ft ³
Safety	EN60335.1 EN60335.2.41
EMC	EN55014

MATERIALS OF CONSTRUCTION

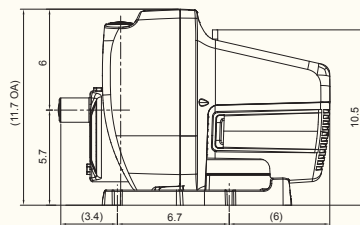
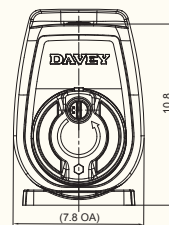
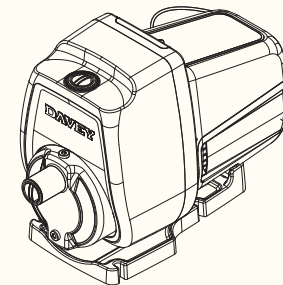
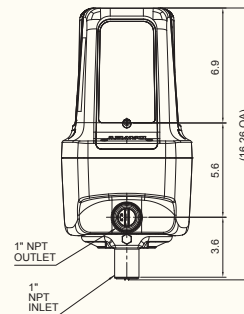
PART	MATERIAL
Casing	304 Stainless Steel
Impellers	304 Stainless Steel
Stages (casing)	304 Stainless Steel
Pump shaft	304 Stainless Steel
Diffusers	Noryl
Mechanical seal	SiC/C
O-rings	Nitrile
Plugs	Hpb59-1 Brass
Motor shell and lantern bracket	Aluminium Alloy with powder coat finish
Outer cover	Polycarbonate
VSD housing	Aluminium Alloy with powder coat finish
Pressure tank	Steel / butyl / glass filled nylon

ELECTRICAL DATA

Voltage (V)	110-120
Max motor speed (rpm)	5,200
Incoming power Frequency (Hz)	60
Input power (P _i kW)	0.90
Maximum current (A)	11
Insulation class	F

DIMENSIONS (inches)

Inlet	1" NPT F
Outlet	1" NPT F
Number of stages (impellers)	3

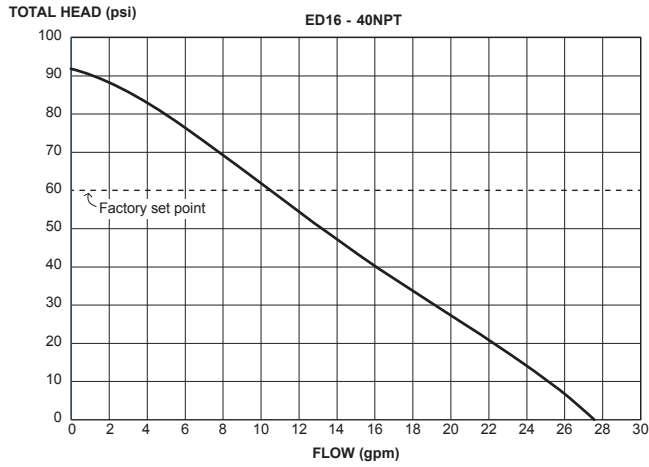


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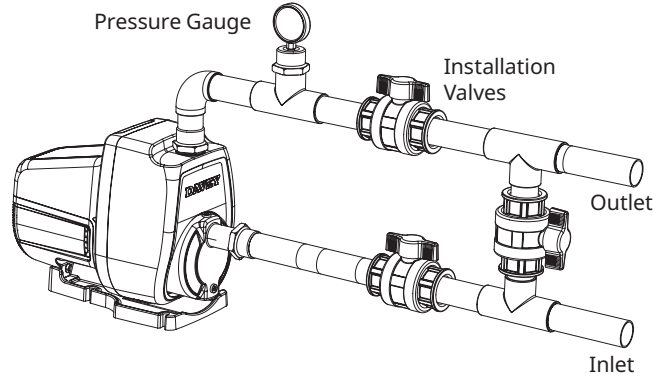
EvoDrive



HYDRAULIC PERFORMANCE



RECOMMENDED INSTALLATION SET-UP



SELECTING THE RIGHT PUMP

Selecting the right pump for your job is essential.

Please take a few minutes to gather some basic information and take this completed form to your nearest Davey distributor.

1. For what purpose do you require a water pump?

- Household water pressure boosting
- Garden watering / sprinklers
- Lawn / turf / irrigation
- Hosing down
- Tank filling
- Other (specify) _____

2. Existing inlet pressure _____ psi

3. Operating pressure required (if known) _____ psi

4. Total output or flow required (if known) _____ gpm

OR Total no. of taps to be serviced at one time: _____

5. From what source of supply is the water to be drawn?

- Municipal mains supply
- Rainwater tank (above ground)
- Underground tank
- Well tank
- Other (specify) _____

6. Water supply: clean, muddy or gritty? _____

7. Vertical suction lift from water supply level to the pump site? _____ ft

8. Pipe length to be run on suction side of pump from applications other than a bore _____

9. Diameter of suction pipe, if already laid _____ inches and type of pipe e.g. polythene, galvanised iron, PVC, other (specify) _____

10. What is the maximum no of stories / floors including the basement? _____

11. What are the number of bathrooms? _____

12. What are number of occupants in household? _____

13. Do you have a filtration system? _____

14. Incoming pipe diameter? _____ feet

15. Diameter of pipe inside the house, if already laid _____ inches and type of pipe e.g. polythene, galvanised iron, PVC, other (specify)

16. If electric, voltage of electricity supply is:

1 phase - 240 volt OR 120 volt

Name _____

Address _____

City _____ State _____

Zip Code _____

Phone _____

Email _____

Davey Pump Recommendation:



daveywater.com

This literature is not a complete guide to product usage. All images provided in this document are for illustration purposes only. Further information is available from your Davey Dealer, Davey Support Centre and from the relevant product Installation and Operating Instructions. Must be read in conjunction with the relevant product Installation and Operating Instructions and all applicable statutory requirements. Product specifications may change without notice. © Davey is a registered trademark of Davey Water Products Pty Ltd. © Davey Water Products Pty Ltd 2025.

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