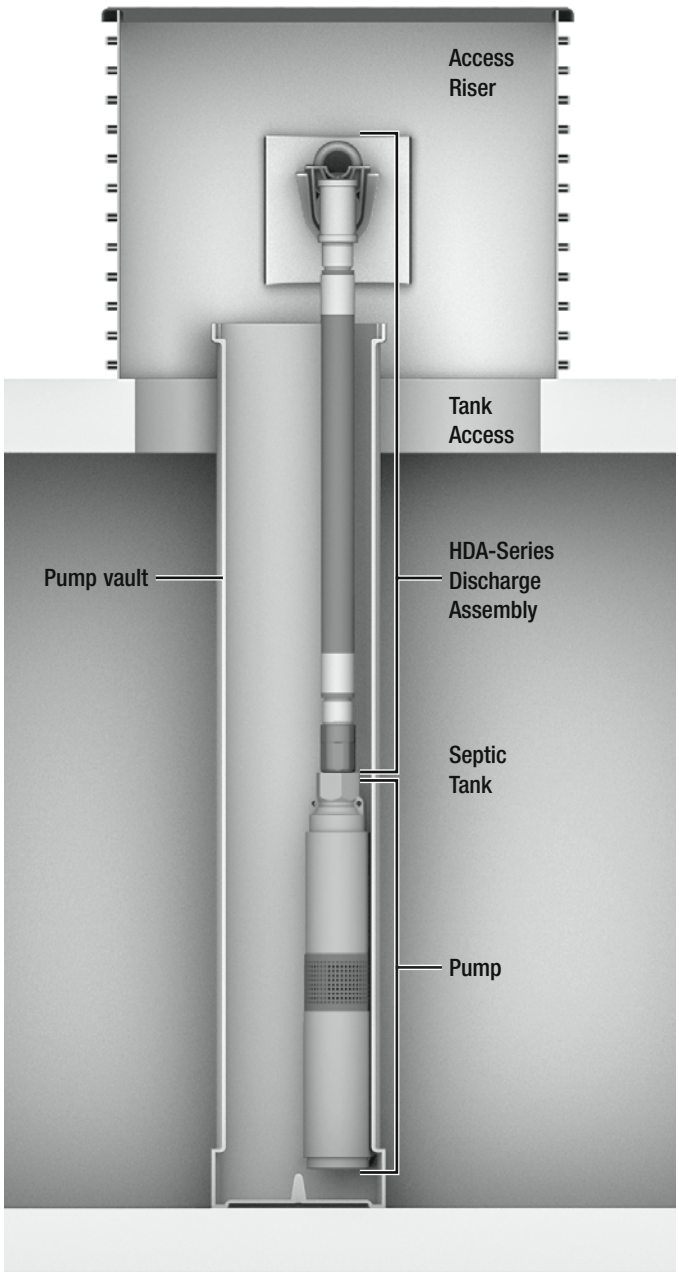
HDA Discharge Assemblies

Applications

Orenco's HDA Discharge Assemblies are designed to work with 4-inch (100-mm) submersible effluent pumps to convey effluent to the exterior of a riser, tank or basin. They are not intended for "low-head" centrifugal pumps. HDA discharge assemblies are suitable for most pumping applications requiring simplex or duplex pumps. And they are ideal for sites with deep burial needs or cold weather conditions.



HDA Discharge Assemblies provide clear access to tank and basin components. (Cross-sectional illustration of simplex HDA installed in a typical concrete tank.)

General

Orenco's HDA Discharge Assemblies are hanging-style discharge assemblies that provide for a simple, durable, watertight installation. They combine a fiberglass mounting plate with a quick-disconnect fitting and a section of flexible, high-pressure hose with stainless steel fittings.

HDA discharge assemblies provide clear access to tank and basin components. They are extremely easy to remove and reinstall for servicing with a simple tool (HDATOOL), available separately for purchase.

HDA discharge assemblies are rated for 10-, 20-, and 30-gpm pumps (0.6-, 1.3-, and 1.9-L/sec).

Hose length for HDA discharge assemblies is determined by the system configuration. Contact your Distributor or Orenco for more information.

Standard Models

HDAS24125CFCASLC-XX, HDAD24125CFCASLC-XX

Product Code Diagram

HDA S 24 125 CFCASLC 21

- **21** — Hose length: Length in 1/4-inch increments (6 mm)
- **CFCASLC** — Options (in order):
  - C = check valve, bronze*
  - FC = flow control disc
  - AS = anti-siphon valve
  - LC = line check valve
- **125** — Hose diameter, in. (mm): 125 = 1.25 (32)
- **24** — PVC riser diameter:
  - 24 = 24-in. (600-mm) diameter
  - 30 = 30-in. (750-mm) diameter
- **S** — Simplex/duplex option:
  - S = simplex pumping system
  - D = duplex pumping system
- **HDA** — HDA-series pump discharge assembly

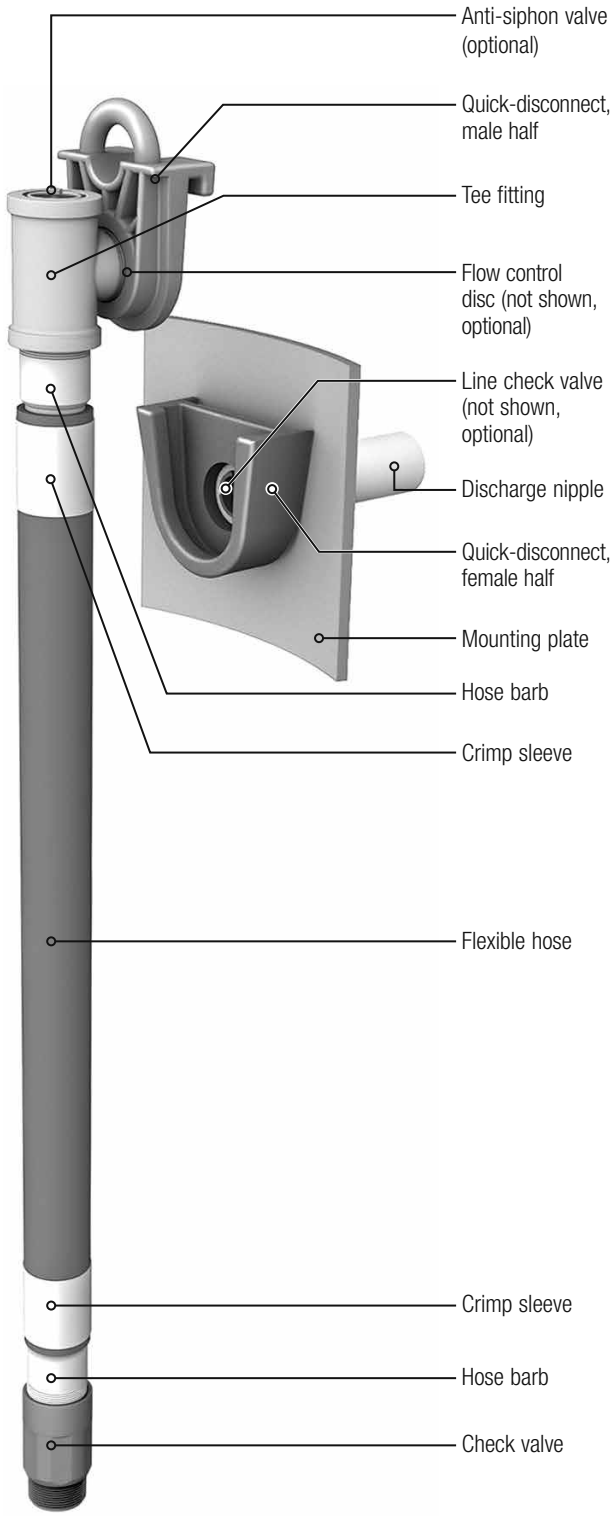
** Bronze check valves are not needed if the pump used has an internal check valve. Orenco's PF100511CV pump is equipped with an internal check valve.*

Materials of Construction

Anti-siphon valve	Sch. 80 PVC, EPDM, stainless steel
Check valve	Bronze
Crimp sleeve	Stainless steel
Discharge nipple	Sch. 80 PVC
Flexible hose	Reinforced EPDM
Flow control disc	Sch. 80 PVC, 1/8-inch (3.2 mm) orifice
Hose barb	Stainless steel
Line check valve	Sch. 80 PVC, EPDM, stainless steel
Mounting plate	Fiberglass-reinforced polymer
Mounting plate screws	Stainless steel
Quick-disconnect	Glass-filled thermoplastic
Tee fitting	Stainless steel

Working Pressures and Dimensions

Model	HDAS24125C-XX	HDAD24125C-XX
Unit working pressure, psi (kPa)	150 (1034)	150 (1034)
Height, mounting plate, in. (mm)	7 (178)	7 (178)
Width, mounting plate, in. (mm)	7 (178)	14 (356)
Diameter, discharge nipple, in. (mm)	1¼ (32)	1¼ (32)
Diameter, flow control disc orifice, in. (mm)	¼ (6.35)	¼ (6.35)



HDA Discharge Assemblies are constructed of durable, corrosion-resistant parts that are designed to work together for a long service life.

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