KENCO KDV SERIES DUMP VALVES

The Kenco KDV series Dump Valve is a pneumatically controlled valve designed for fluid level control in gas scrubbers, separators and other process pressure vessels.

Model KDV Dump Valves are available with either 1” or 2” process connections. The drain sizes available are 1/2”, 3/4” and 1” depending on the model selected. The valve actuation pressure range is 30-70 psi depending on the model and process pressure. Process pressure ratings of up to 2000 psi are available.

SPECIFICATIONS

- Operating Temperature: -30 to 250°F (34.4 to 121°C)
- Operating Process Pressure: Up to 2000 psi, depending on model
- Valve Actuation Pressure: 30 to 70 psi depending on process pressure
- Body Material: Nickel Plated 12L14 Carbon Steel
- Wetted Materials: Nickel Plated 12L14 Carbon Steel, 303 Stainless Steel, Buna-N, Polyurethane

DUMP VALVE FEATURES

Ease of Maintenance - The union nut allows the valve to be removed for service without removing the Valve Body from the pressure vessel.

Pressure Warning Port - If an attempt is made to remove the valve assembly from the body while the valve is under pressure, process fluid and/or gas will leak from the weep hole to provide a warning.

High Performance Polyurethane Trim Seal - The high performance polyurethane material used on the Trim Seal is highly durable and long lasting.

Simple Installation - Valve is easily installed with simple hand tools in a short amount of time.

Variety of Trim Sizes - Several trim sizes available to accommodate different flow and pressure requirements.

Polyurethane Trim Seal

Union Nut

Powder Coated Finish

Powder Coated Finish - The aluminum diaphragm housing is powder coated to provide a durable and resilient finish.

"Keyed" Housing to Valve Joint - Valve is keyed to diaphragm housing to ensure internal retaining hardware does not twist or vibrate loose.
ORDERING SYSTEM

Kenco Dump Valve with 1” Process Connections

KDV

Model
KDV Kenco Dump Valve

P18

Pressure Rating
P18 = 1800 psi

1

Process Connection Size
1=1"

Drain Connection Size
05 = 1/2” FNPT
075 = 3/4” FNPT

Kenco Dump Valve with 2” Process Connections

KDV

Model
KDV Kenco Dump Valve

Pressure Rating
P05 = 500 PSI
P15 = 1500 PSI
P20 = 2000 PSI

2

Process Connection Size
2=2"

1

Drain Connection Size
1 = 1” FNPT

• Example Order Number: KDV-P18-1-05