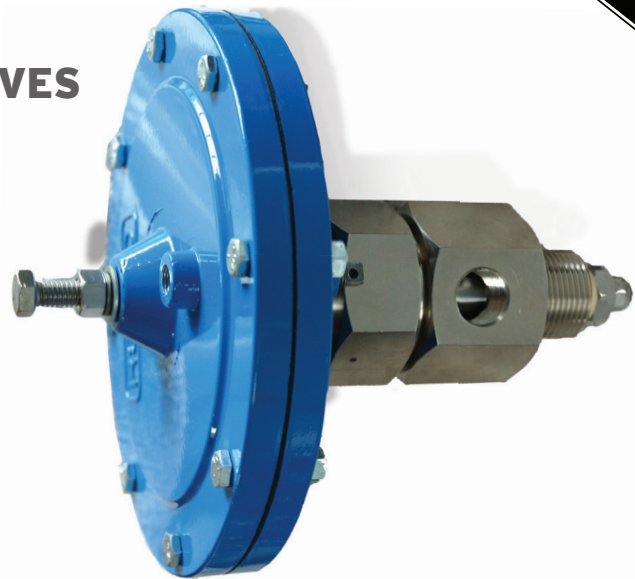




## KENCO KDV SERIES DUMP VALVES

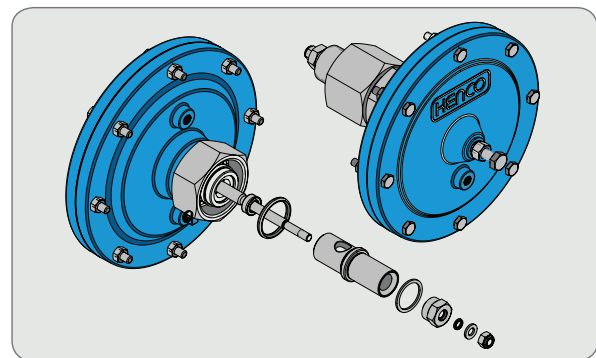
The Kenco KDV series Dump Valve is a pneumatically controlled valve designed for fluid level control in gas scrubbers, separators and other process pressure vessels.

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.

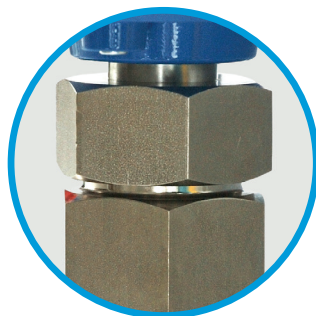


### SPECIFICATIONS

- Operating Temperature: -30 to 250°F (34.4 to 121°C)
- Operating Process Pressure: Up to 2000 psi depending on model configuration
- Valve Actuation Pressure: 30 – 70 psig, depending on model configuration
- Body Material:
  - Nickel Plated 12L14 Caron Steel (Standard)
  - NACE MRO175 Compliant 316 Stainless Steel (Optional)
- Trim Seal:
  - Polyurethane (Standard)
  - Polyetheretherketone "PEEK" (Optional)
- Wetted Metals:
  - Nickel Plated 12L14 Carbon Steel, 303 Stainless Steel (Standard)
  - Nace MR0175 Compliant 316 Stainless Steel (Optional)
- Wetted Elastomers:
  - Buna-N, Polyurethane (Standard)
  - Buna-N, PEEK (Optional)



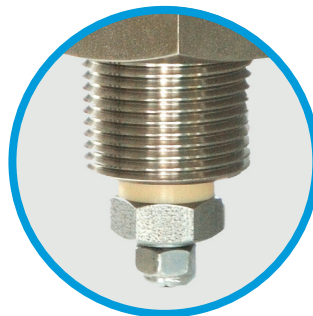
### DUMP VALVE FEATURES



**Union Nut**

**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.

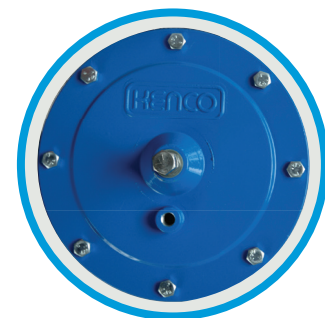


**Trim Seal**

**Trim Seal Options** - High-Performance Polyurethane is the standard trim seal material. PEEK is available for applications where a harder seat option is preferred.

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

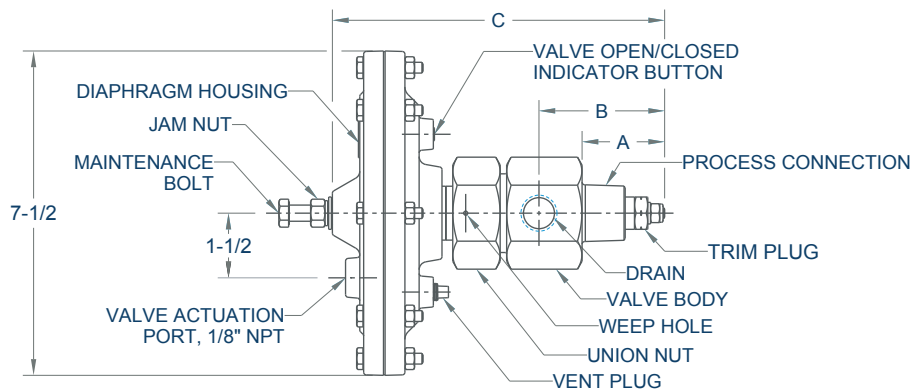
**Variety of Trim Sizes** - Several trim sizes available to accommodate different flow and pressure requirements.



**Powder Coated Finish**

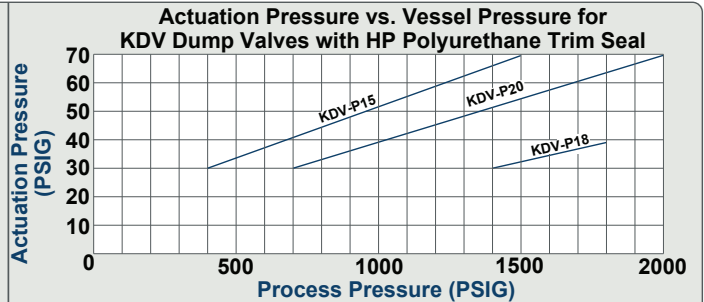
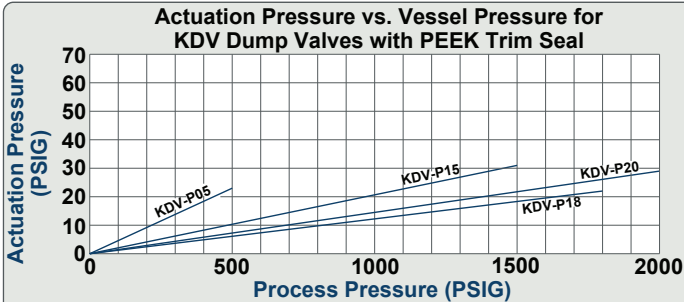
**Powder Coated Finish** - The aluminum diaphragm housing is powder coated to provide a durable and resilient finish.

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



### DIMENSIONS AND SPECIFICATIONS

VALVE MODEL	PROCESS CONNECTION SIZE	DRAIN SIZE	MAXIMUM PROCESS PRESSURE	TRIM SIZE	Valve Flow Coefficient (Cv)	DIMENSION "A"	DIMENSION "B"	DIMENSION "C"
KDV-P18-1-05 KDV-P18-1-05-PK	1-11.5 MNPT	1/2-14 FNPT	1800 PSIG	0.461"	3.6	1.88"	2.88"	7.69"
KDV-P18-1-075 KDV-P18-1-075-PK	1-11.5 MNPT	3/4-14 FNPT	1800 PSIG	0.461"	4.7	1.88"	2.88"	7.69"
KDV-P05-2-1 KDV-P05-2-1-PK	2-11.5 MNPT	1-11.5 FNPT	500 PSIG	0.865"	14.6	1.92"	3.54"	8.76"
KDV-P15-2-1 KDV-P15-2-1-PK	2-11.5 MNPT	1-11.5 FNPT	1500 PSIG	0.589"	7.5	2.02"	3.64"	8.86"
KDV-P20-2-1 KDV-P20-2-1-PK	2-11.5 MNPT	1-11.5 FNPT	2000 PSIG	0.446"	5.2	2.02"	3.64"	8.86"



Note: Model KDV-P05-2-1 only requires 30 psig of pressure

## ORDERING SYSTEM

### Kenco Model KDV Dump Valve with 1" Process Connections

<b>KDV</b>	<b>P18</b>	<b>1</b>			
<b>Model</b> KDV = Kenco Dump Valve	<b>Pressure Rating</b> P18 = 1800 psi	<b>Process Connection Size</b> 1 = 1" MNPT	<b>Drain Connection Size</b> 05 = 1/2" FNPT 075 = 3/4" FNPT	<b>Trim Seal Material</b> Blank = Polyurethane PK = PEEK	<b>Wetted Material</b> Blank = Plated Carbon Steel/ 303 Stainless Steel S6 = 316 Stainless Steel

### Kenco Dump Valve with 2" Process Connections

<b>KDV</b>		<b>2</b>	<b>1</b>		
<b>Model</b> KDV = Kenco Dump Valve	<b>Pressure Rating</b> P05 = 500 psi P15 = 1500 psi P20 = 2000 psi	<b>Process Connection Size</b> 2 = 2" MNPT	<b>Drain Connection Size</b> 1 = 1" FNPT	<b>Trim Seal Material</b> Blank = Polyurethane PK = PEEK	<b>Wetted Material</b> Blank = Plated Carbon Steel/ 303 Stainless Steel S6 = 316 Stainless Steel

• Example Order Number: KDV-P18-1-075-PK-S6

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