

DRK Chrome Plated and Brass Diffusion Resistant Valve and Tee Purge Assemblies



The packless, diffusion resistant shut off valve DRK series assists in maintaining system purity. The copper diaphragm feature is enveloped between two stainless steel diaphragms and is available in both brass or chrome-plated brass.

These outlet valves have a 1/4" NPT(F) inlet and outlet and are capable of being certified to inboard helium leak rates down to 1×10^{-9} scc/sec.

FEATURES

- Metal to metal seal
- 1.375" Hex Barstock body
- Multiple diaphragms
- Helium leak integrity of 1×10^{-9} scc/sec.

SPECIFICATION

| | |
|-----------------------------|--------------------------|
| Maximum inlet pressure | 3000 psig |
| Temperature Operating Range | 0 to 140°F (-17 to 60°C) |
| Inlet and outlet port | 1/4" NPT (F) |
| Flow coefficient | $C_v = 0.33$ |
| Weight | 13 oz. |

MATERIALS OF CONSTRUCTION

| | |
|--------------------------|------------------------------|
| Body | Chrome-plated brass or brass |
| Seat | PCTFE™ |
| Seat holder | Brass |
| Gasket | PCTFE |
| Diaphragm contacting gas | 316L Stainless Steel |
| Spring | 316L Stainless Steel |
| Knob | ABS |
| Seat guide holder | PCTFE |

Ordering Information

DRK Chrome Plated and Brass Diffusion Resistant Valve and Tee Purge Assemblies

| Model Number | Description |
|--------------|-------------------------------------|
| DRK-2-4C | Chrome Plated Brass |
| 0660-0513 | 2 ports 1/4" NPT Female |
| DRK-2-4 | Brass |
| 0660-0519 | 2 ports 1/4" NPT Female |
| VTB620B | Tee Purge |
| 0660-0700 | Brass Purge Valve Assembly |
| | Adaptor |
| 0910-0081 | 1/4" NPTM x 1/4" NPTM Chrome plated |

DRK

Stainless Steel Diffusion Resistant Valve with Centre Purge



The packless diffusion resistant shut-off valve DRK is designed for use in purge systems, the copper diaphragm feature is enveloped between two stainless steel diaphragms. It is available with four (4) 1/4" -18 NPT (F) ports. The bodies are threaded for rear panel mounting.

Center valves are capable of being certified to inboard helium leak rates down to 1×10^{-9} scc/sec.

FEATURES

Metal to metal seal

1.625" Hex Barstock body (1/4" - 18 NPT ports)

Multiple diaphragms

Helium leak integrity of 1×10^{-9} scc/sec.

SPECIFICATION

| | |
|-----------------------------|--------------------------|
| Maximum inlet | 3000 psig |
| Temperature Operating Range | 0 to 140°F (-17 to 60°C) |
| Inlet and outlet port | 1/4" NPT (F) |
| Flow coefficient | $C_v = 0.33$ |
| Weight | 13 oz. |

MATERIALS OF CONSTRUCTION

| | |
|--------------------------|----------------------|
| Body | 316L Stainless Steel |
| Seat | PCTFE |
| Seat holder | 316L Stainless Steel |
| Gasket | PCTFE |
| Diaphragm contacting gas | 316L Stainless Steel |
| Spring | 316L Stainless Steel |
| Knob | ABS |
| Seat guide holder | PCTFE |

Ordering Information

DRK Stainless Steel Diffusion Resistant Valve with Centre Purge

| Model Number | Description |
|--------------|-------------------------|
| DRK-4-4S | Stainless Steel |
| 0660-0516 | 4 ports 1/4" NPT Female |