Eliminate Venting Emissions from Double Acting Control Instrumentation When Control Valve is Full Open and Full Closed

Description:

The NVD No-Vent Device eliminates venting emissions from VRG Controls double-acting control instrumentation when the corresponding control valve is at full-open and full-closed positions. This is ideal for Monitor and Standby Regulators the normally remain in full-open or full-closed positions. The NVD eliminates emissions at both ends of control valve travel without adjustment. The NVD is the primary choice to eliminate emissions for all VRG Controls double-acting instrumentation. The NVD is compatible with all VRG Controls double acting control instrumentation.

Features:

- Renders Monitors, Standby, and Relief Control Valves Non-Venting
- Eliminating Constant Vent Emissions and Improve Safety
- No Calibration or Adjustment Required
- Simple & Reliable Design Has Only One Moving Part
- Modular Design Minimizes Tubing Connections
- Integral Gage & Output Ports Minimize Fittings
- Recommended as Standard Issue for ALL VRG Controls Double-Acting Control Instrumentation when Vent to Atmosphere
- Easy Retrofit to All VPC Double Acting Control Instrumentation
- Exceeds EPA Ruling, EPA-HQ-OAR-2010-0505, requiring “constant bleed controllers” in the Oil and Natural gas industry must meet <6 SCFH bleed rate by October 2013.

Models Available:

- NVD-80
- NVD-100
- NVD-150

Compatible VRG Instrumentation:

- VPC-DA-BV Series Valve Pilot Controllers
- VPC-DA-SN Series Valve Pilot Controllers
- VGP-DA-BV Series Valve Gas Positioners
- VGP-DA-SN Series Valve Gas Positioners

Figure 1.0 – NVD Series No-Vent Device

The No-Vent Device eliminates venting for all VRG Controls double-acting control instrumentation when the control valve is at full-open and full-closed positions. The NVD features reliable simplicity without the need for calibration of adjustment. The modular design format integrates seamlessly with all VRG Controls double acting control instrumentation.

See us at: www.vrgcontrols.com

Table 1.0 – NVD Series Model Information

NVD Model	PSupply (Min)	PSupply (Max)	Repair Kit No.
NVD-80	80 psig (552 kPa)	100 psig (689 kPa)	RK-0300
NVD-100	90 psig (621 kPa)	125 psig (862 kPa)	RK-0300
NVD-150	125 psig (862 kPa)	150 psig (1034 kPa)	RK-0300

Notes:

1. When NVD No-Vent Device is utilized in conjunction with Bleed to Pressure System, $P_{Discharge}$ is restricted to less than 60 psig (414 kPa).

Table 2.0 – NVD Series Technical Specifications

Technical Specifications	
Supply Gas Quality	Dry, Filtered @ 10µ Natural Gas or Air
P_{Supply} Max	Reference Table 1.0
$P_{Discharge}$ Max	60 psig (414 kPa)
Temperature Range	-20°F to +160°F (-29°C to +71°C)
Weight	2.0 lbs. (0.9 kg)
Dimensions	2.75 in x 3.75 in x 2 in (70 mm x 95 mm x 50 mm)
Manifold Ports	¼ O-Ring Seal
Connection Ports	¼ FNPT
Installation Orientation	Vertical Recommended
Flow Capacity (C_v)	0.990
External Parts	VRG Military Grade Aluminum Alloy with "Stealth System" Corrosion Protection 304 SS – Optional Construction
Internal Parts	VRG Military Grade Aluminum Alloy with "Stealth System" Corrosion Protection
Hardware	316 SS
O-Rings	Buna-N
U-Cup Seals	Buna-N
Springs	Painted Alloy Steel

Notes:

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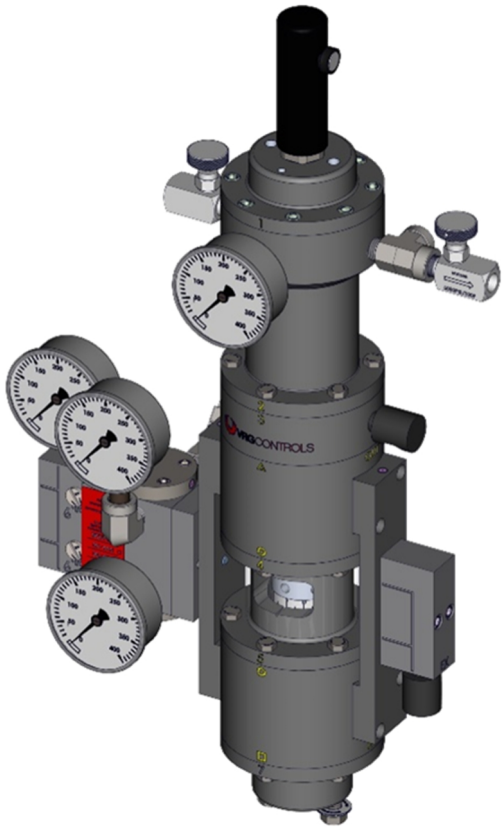

Figure 2.0 – NVD Installed on VPC Valve Pilot Controller

NVD No-Vent Device is shown installed on VPC-DA-BV Valve Pilot Controller. The NVD modular format easily installs on any VRG Controls double acting instrumentation eliminating vent gas when the control valve is at full-open and full-closed positions. The VRG NVD also features integral gage & connection ports to minimize fitting and simplify installation.