SEALEXCEL®

Cost Effective and Reliable Source For Instrumentation Gauge/Root Valves

SERIES - GRV11

www.sealexcel.com

Advanced Technology in design, development and production of world class quality Fittings and Valves for Instrumentation, Process Tubing etc. ensure A TOTAL CUSTOMER SATISFACTIONS

INTRODUCTION

SEALEXCEL (INDIA) PVT. LTD. A fast growing manufacturing company having over 25 years of experience and expertise with advanced technology in Design, Development and Manufacturing World Class consistent and reliable quality Tube Fittings and Valves used in Fluid/Gas Control System in Industries like Automobile, Chemicals, Petrochemicals, Oil & Gas, Marine, Food, Biotechnology, Pharmaceutical, Packaging and Printing Industries etc.

We have two well-equipped modern manufacturing plant including in-house product performance testing facilities to check and verify the maximum safety and consistent reliable performance under adverse, harsh, stressful environments like vibrations, high pressure, deep vacuum and thermal shock etc.

RESEARCH & DEVELOPMENT

By continuous Research & Development with advanced technology and high tech cutting edge machineries. SEALEXCEL produce best quality products for its customers.

QUALITY

SEALEXCEL's total quality system and control from incoming raw material inspection through ongoing quality assurance during production, final inspection, assembly, testing, packing and dispatch ensure high standard quality products which has earned us various quality certifications such as

- ISO 9001:2015
- PED 2014/68/EU
- ATEX
- OHSAS 18001 (Safety)
- ISO 14001 (Environment)

SEALEXCEL products are validated by type testing in accordance with

- ASTM F 1387-99(2012)
- ECE R110, ISO 15500
- BS4368:4:1984
- MSS SP-99-2010
- Helium Leak Test
- ARAI Test Report

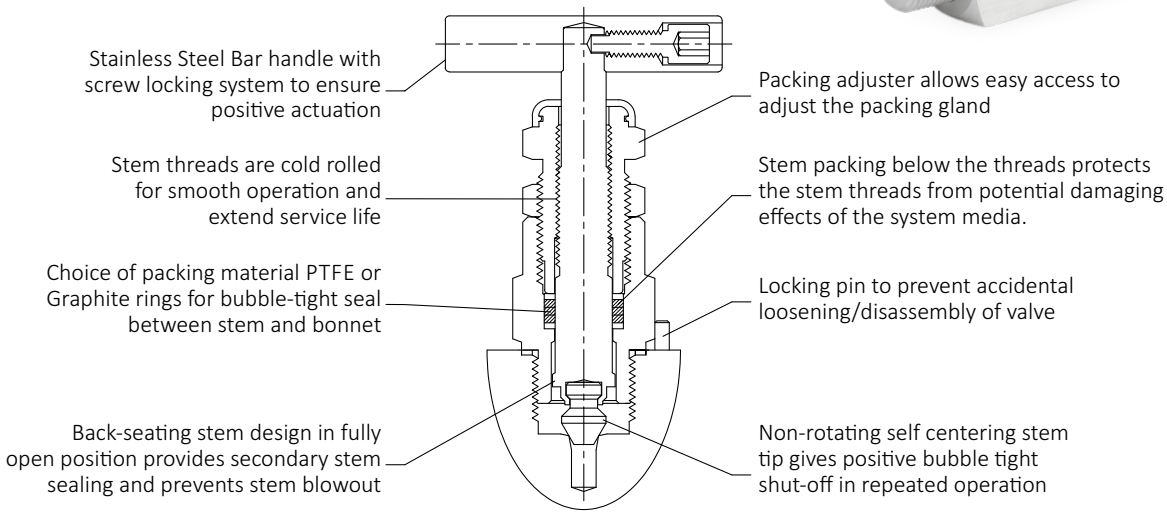
CUSTOMER SATISFACTION

We strive for Total Customer Satisfaction and continuously work to set of goals to provide the best quality and delivery of products and services in the best interest of our customers.

GAUGE/ROOT VALVES : SERIES - GRV11

FEATURES / BENEFITS

- Available in material SS316, all wetted parts in accordance with NACE MR01-75
- Heat Code Traceable to certified material test report
- Bar Stock Body straight pattern
- 1/2" and 3/4" Male to 1/2" Female end connections
- 1/2" Female gauge port standard
- Non rotating self centering stem tips is standard.
- Every valve is factory tested



OPERATING PARAMETERS

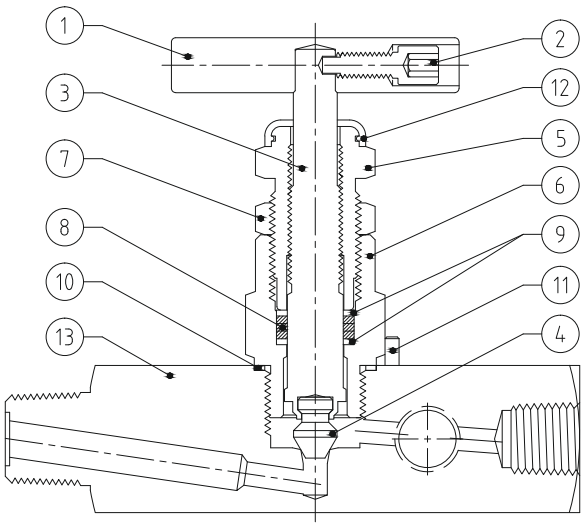
Pressure Rating : upto 6000 psig (408 bar) at CWP
Temperature Rating : -54^{0}C to 232^{0}C with standard PTFE packing
upto 426^{0}C with Graphite packing

APPLICATIONS

- General Plant service
- Instrument Isolation
- Hydraulic and Pneumatic
- Pressure measurement devices
- Venting

MATERIAL OF CONSTRUCTIONS

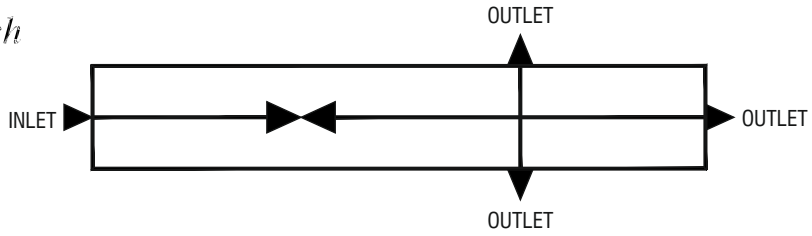
No.	Component	Material
1	Bar Handle	SS316
2	Set Screw	SS316
3	Stem	SS316
4	Stem Tip	SS316
5	Packing Adjuster	SS316
6	Lower Bonnet	SS316
7	Bonnet Lock Nut	SS316
8	Packing	PTFE/Graphite
9	Packing Washer	SS316
10	Washer	SS316
11	Locking Pin	SS316
12	Dust Cap	PVC
13	Valve Body	SS316



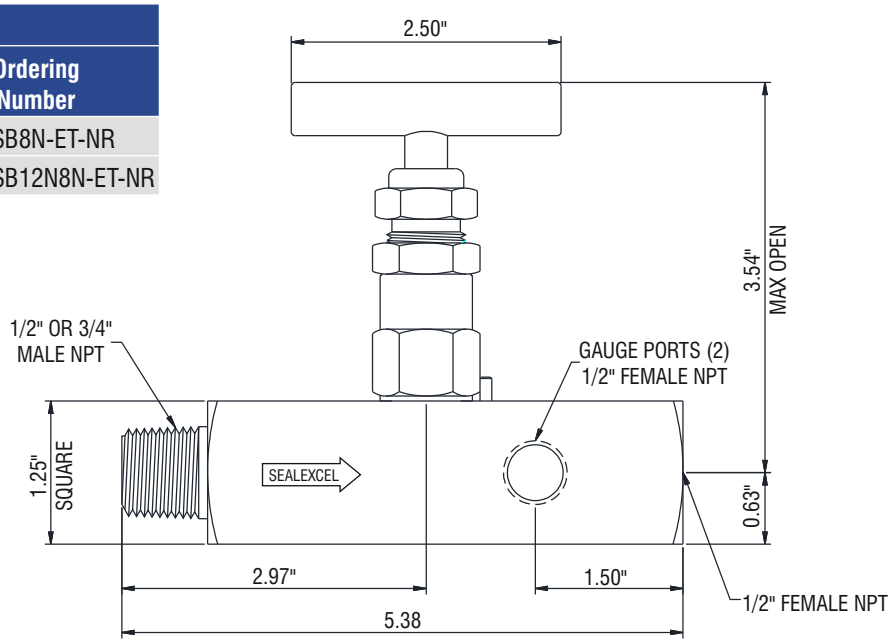
TESTING

- Standard Test : Each valve is factory tested with nitrogen at 1000 psig (69 bar) for leakage at the seat and packing.
- Optional Hydrostatic test : This test is performed with de-ionised water at 1.5 time the working pressure.

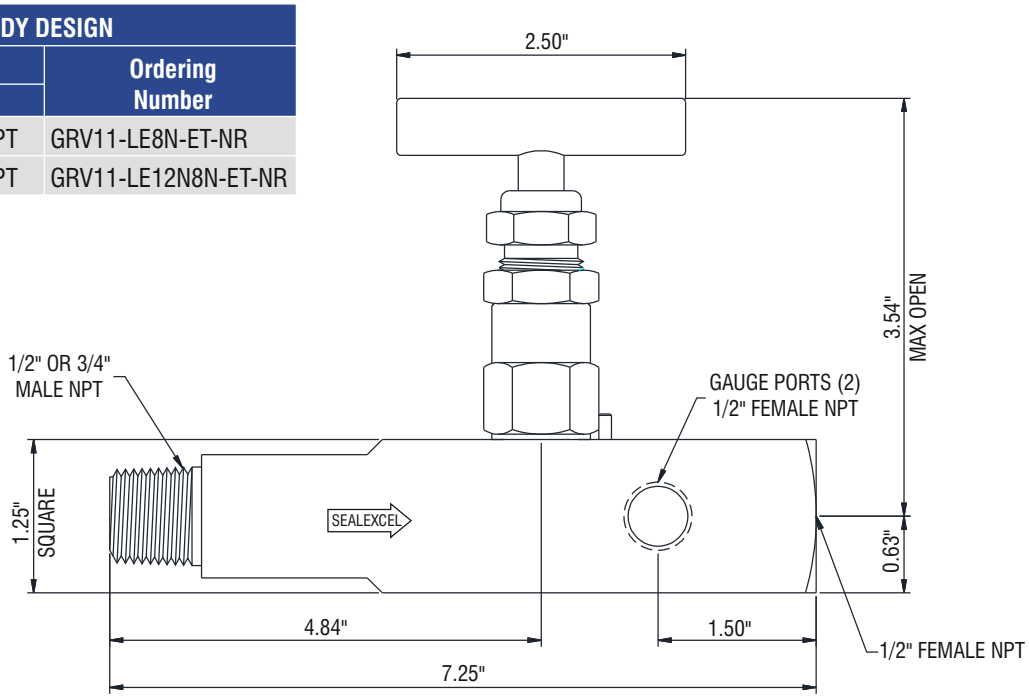
Typical Sketch



SHORT BODY DESIGN		
End Connection		Ordering Number
Inlet	Outlet	
1/2” Male NPT	1/2” Female NPT	GRV11-SB8N-ET-NR
3/4”Male NPT	1/2” Female NPT	GRV11-SB12N8N-ET-NR



EXTENSION BODY DESIGN		
End Connection		Ordering Number
Inlet	Outlet	
1/2” Male NPT	1/2” Female NPT	GRV11-LE8N-ET-NR
3/4”Male NPT	1/2” Female NPT	GRV11-LE12N8N-ET-NR

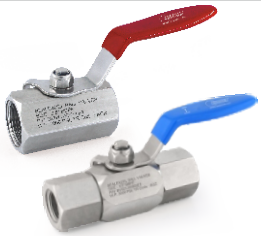
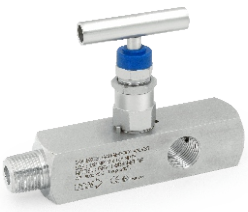
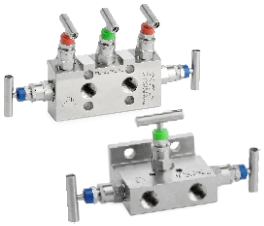
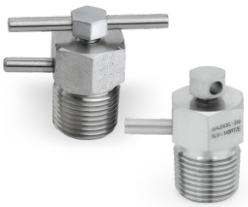


Note : For high temperature Graphite Packing will be used instead of PTFE. In ordering Number used ‘G’ for Graphite packing instead of ‘T’

Dimensions are for reference only and subject to change

NOTES :

PRODUCT RANGE

Twin/Single Ferrule Tube Fittings	37° Flare Tube Fittings To SAE J514	Instrument Threaded & Welded Pipe Fittings	Tube Fittings With Integral Flange	 Low /Medium PressureBall Valves
High Pressure Ball Valve	High Pressure 2/3 Way Ball Valve	Needle Valve	Needle Valves (Panel Mountable)	High Pressure Needle Valve
Rising Stem Plug Valves	 Gauge/Root Valves	 Instrument 2/3/5 Manifold Valves	Monoflange Valves	Single / Double Block & Bleed
Purge Valves	 Bleed Valves	Toggle Valves	Relief Valves	Check Valves
Micron In-line Filters	Quick Connect Couplings	Stainless Steel Pneumatics Fittings & Valves		

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