



Cost Effective and Reliable Source For Instrumentation Rising Stem Plug Valves

SERIES - RSV111



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*



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.

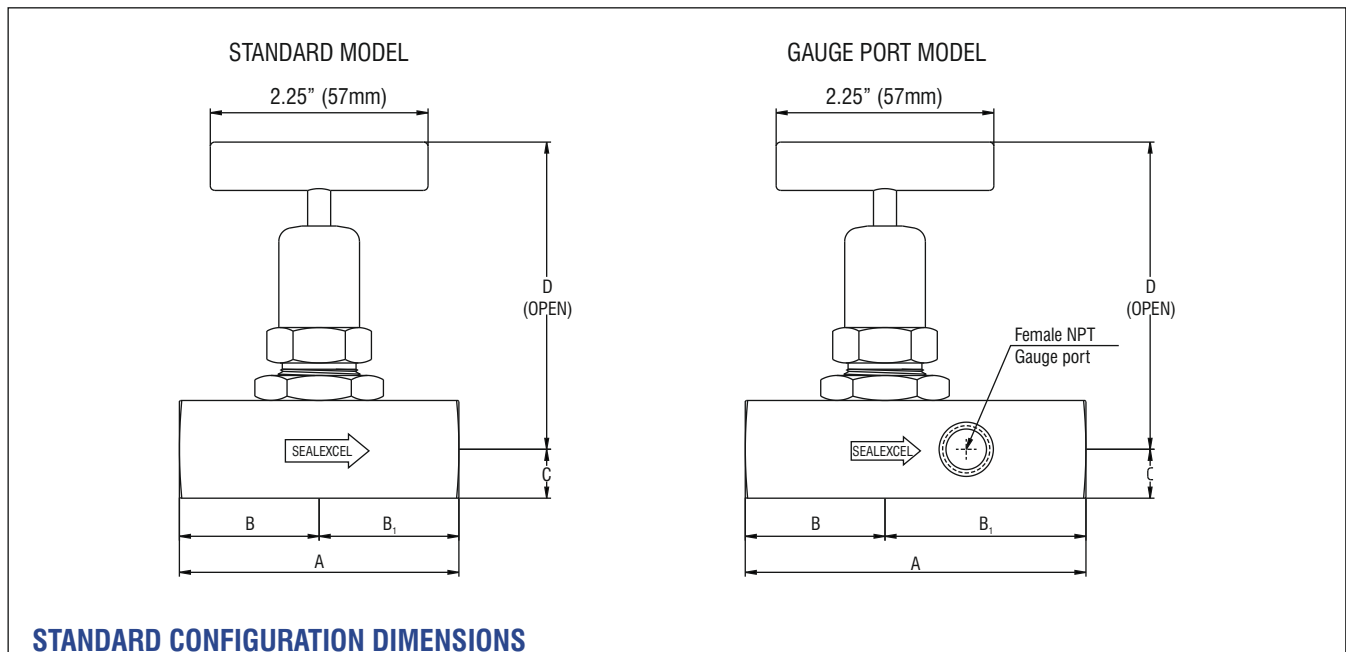
TECHNICAL DATA

Pressure-Temperature Ratings are based on standard stem tip of Viton O-ring and PTFE back-up rings.

Temperature Range
For O-ring materials

Body Material	SS316		
Seat	Acetal	PEEK	PTFE
Temperature °F(°C)	Working Pressure, (psig (bar))		
-20 to 100 (-28 to 37)	6000 (413)	6000 (413)	750 (51.6)
200 (93)	2650 (182)	3000 (206)	625 (43.0)
250 (121)	1000 (68.9)	1600 (110)	450 (31.0)
300 (148)	-	1300 (89.5)	300 (20.6)
350 (176)	-	1200 (82.6)	200 (13.7)
400 (204)	-	1000 (68.9)	100 (6.8)

O-ring Material	Temperature Range °F(°C)
Buna-N	-20 to 250(-28 to 121)
EPDM	-20 to 250 (-28 to 121)
Viton®	-20 to 400 (-28 to 204)
Kalrez®	-20 to 500 (-28 to 260)



STANDARD CONFIGURATION DIMENSIONS

End Connections		Orifice	Cv	Dimensions inch (mm)					Ordering Number
Inlet	Outlet			A	B	B ₁	C	D	
1/4" Female NPT	1/4" Female NPT	0.187" (4.8)	0.63	2.24(56.9)	1.12(28.4)	1.12(28.4)	0.44(11.2)	3.77(95.8)	RPV111-FF4N
1/4" Female NPT	1/4" Female NPT	0.187" (4.8)	0.63	2.87(72.9)	1.12(28.4)	1.75(44.4)	0.50(12.7)	3.77(95.8)	RPV111G-FF4N
1/2" Female NPT	1/2" Female NPT	0.250" (6.4)	1.80	2.66(67.6)	1.33(33.8)	1.33(33.8)	0.56(14.2)	3.83(97.3)	RPV111-FF8N
1/2" Female NPT	1/2" Female NPT	0.250" (6.4)	1.80	3.58(90.9)	1.33(33.8)	2.25(57.2)	0.56(14.2)	3.83(97.3)	RPV111G-FF8N
1/4" Male NPT	1/4" Female NPT	0.187" (4.8)	0.63	2.90(73.4)	1.78(45.2)	1.12(28.4)	0.44(11.2)	3.77(95.8)	RPV111-MF4N
1/2" Male NPT	1/4" Female NPT	0.187" (4.8)	0.63	3.01(76.5)	1.89(48.0)	1.12(28.4)	0.44(11.2)	3.77(95.8)	RPV111-M8F4N
1/2" Male NPT	1/4" Female NPT	0.187" (4.8)	0.63	4.87(124)	3.12(79.2)	1.75(44.4)	0.50(12.7)	3.77(95.8)	RPV111G-M8F4N
1/2" Male NPT	1/2" Female NPT	0.250" (6.4)	1.80	3.49(88.6)	2.16(54.9)	1.33(33.8)	0.56(14.2)	3.83(97.3)	RPV111-M8F8N
1/2" Male NPT	1/2" Female NPT	0.250" (6.4)	1.80	5.58(142)	3.33(84.6)	2.25(57.2)	0.56(14.2)	3.83(97.3)	RPV111G-M8F8N
3/4" Male NPT	1/2" Female NPT	0.250" (6.4)	1.80	3.49(88.6)	2.16(54.9)	1.33(33.8)	0.56(14.2)	3.83(97.3)	RPV111-M12F8N
3/4" Male NPT	1/2" Female NPT	0.250" (6.4)	1.80	5.58(142)	3.33(84.6)	2.25(57.2)	0.56(14.2)	3.83(97.3)	RPV111G-M12F8N

Dimensions are for reference only and subject to change

VALVE DESCRIPTION	ORDERING NUMBER FOR TUBE CONNECTIONS	ORDERING NUMBER FOR PIPE END CONNECTIONS
RISING STEM PLUG VALVES	$\frac{RPV111}{1} - \frac{TT}{2} \frac{8}{3} - \frac{E}{5} \frac{V}{6} \frac{C}{7}$	$\frac{RPV111}{1} - \frac{MF}{2} \frac{4}{3} \frac{N-E}{4} \frac{V}{5} \frac{C}{6} \frac{7}{7}$

1. VALVE SERIES CODE DESCRIPTION

RISING STEM PLUG VALVES SERIES : STRAIGHT MODEL - RPV111
: GAUGE PORT MODEL - RPV121

2. END CONNECTION TYPE CODE DESCRIPTION

TT - SEALEXCEL® Well-Lok™ Tube Fittings
MM - Male pipe thread
FF - Female pipe thread
MT - Male pipe thread to SEALEXCEL® Well-Lok™ Tube Fittings
MF - Male pipe thread to Female pipe thread
TSW - Tube Socket Weld Pipe

3. END CONNECTION SIZE CODE DESCRIPTION TUBE OD SIZE

FRACTIONAL		METRIC	
SIZE	CODE	SIZE	CODE
1/4" ODT	4	6mm ODT	6M
3/8" ODT	6	8mm ODT	8M
1/2" ODT	8	10mm ODT	10M
3/4" ODT	12	12mm ODT	12M
1" ODT	16	16mm ODT	16M

PIPE THREAD SIZE

SIZE	CODE	SIZE	CODE
1/8"	2	1/2"	8
1/4"	4	3/4"	12
3/8"	6	1"	16

4. PIPE THREAD TYPE CODE DESCRIPTION

N - Male / Female NPT
RT - Male / Female BSPT
RG - Female BSP
SE - SAE Straight Thread

5. MATERIAL OF CONSTRUCTIONS

E - SS316
EL - SS316 to NACE MR01-75

6. O-RING SEAL MATERIAL

B - Buna-N
P - EPDM
V - Viton®

7. VALVE SEAT MATERIAL

K - Peek
C - Acetal

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TANGENTIAL BENEFITS OF OUR PRODUCTS:

- Brings world Class quality products indigenously developed.
- The products meeting all the international manufacturing standards and are supported by our qualitative product engineering services.
- Products are designed and manufacturing methodology follows advanced technology in our well – equipped ultra-modern design and manufacturing facility.
- The Products are manufactured by cutting-edge technology concept machineries, In-house performance, endurance and quality testing facilities resulting in sustained quality consistent products.
- The commercial price competitiveness saves substantial cost without any compromise in quality and services.

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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