



*VBS now offers high-quality, low heat leak LN<sub>2</sub> rigid pipe to complement our StatiFlex flexible pipe.*

*Ideal for outside mains and long straight runs. Modular design mates to StatiFlex for inside pipe mains and drops.*

**Pipe Features**

- Fabricated by ANSI/ASME code shop with Certified Welders (TIG Welded)
- All stainless steel construction
- Close tolerance bayonets, NPT and field joint end connections
- Rigid systems complete with tees, crosses, elbows and custom end configurations
- Multilayer super insulation and chemical getter assures long term vacuum integrity
- Helium leak checked to 1x10<sup>-9</sup> std. cc/sec and cold shock test
- Internal bellow design for thermal movement
- One year VBS warranty covering quality of materials and workmanship.

Pipe Specifications	SR50 Pipe	SR100 Pipe	SR150 Pipe	SR200 Pipe
Material	Series 304 SST	Series 304 SST	Series 304 SST	Series 304 SST
Inner Diameter	1/2" NPS	1" NPS	1 1/2" NPS	2" NPS
Outer Diameter	2" NPS	2-1/2" NPS	3" NPS	4" NPS
Maximum Operating Pressure	200 PSI	150 PSI	150 PSI	150 PSI
Maximum Spool Length	40'	40'	40'	40'
Operating Temperature	+250°F to -320°F	+250°F to -320°F	+250°F to -320°F	+250°F to -320°F
Pipe Heat Leak	0.32 BTU/ft/hr	0.47 BTU/ft/hr	0.57 BTU/ft/hr	0.78 BTU/ft/hr
Bayonet Heat Leak	7 BTU/hr	11.7 BTU/hr	15.2 BTU/hr	17.8 BTU/hr
Weight	4 lbs/ft.	4.5 lbs/ft.	5.5 lbs/ft.	7 lbs/ft.

**Additional VBS Pipe System Accessories & Services:**

- Low Loss Gas Trap Terminations
- StaFull – In Line Vapor Venting Device / Heaters
- Brass Valves, VJ Valves & Modular Assemblies
- External Expansion Joints
- Flexible Sections for Offsets and System / Drop Flexibility (to EJMA standards)
- Pressure Testing and Vacuum Retention Testing
- Safety Relief Valve Assemblies
- VBSFlex Vacuum Insulated Flex Hoses for equipment connections
- TC Gauge Tubes on pipe sections
- Radiograph Examination of Inner Welds
- Oxygen Cleaning
- Material Certs, / Traceability

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