



# Stainless Steel Severe Service Union Bonnet Needle Valve, 2.4 Cv, 1 in. Swagelok Tube Fitting, Ball Stem

Part #: SS-12NBS16

Specifications	
Body Material	316 Stainless Steel
Cleaning Process	Standard Cleaning and Packaging (SC-10)
Connection 1 Size	1 in.
Connection 1 Type	Swagelok® Tube Fitting
Connection 2 Size	1 in.
Connection 2 Type	Swagelok® Tube Fitting
CV Maximum	2.4
Flow Pattern	Straight (2-way)
Handle Style	Aluminum Bar
Maximum Temperature, °F (°C)	450 (232)
Max Temperature Pressure Rating	450°F @ 3995 PSIG /232°C @ 275 BAR
Minimum Temperature, °F (°C)	-65 (-53)
Orifice	0.437 in
Room Temperature Pressure Rating	4700 PSIG @ 100°F /323 BAR @ 37°C
Stem Tip Material	Cobalt Based Alloy
Stem Type	Ball stem
eClass (4.1)	37010201
eClass (5.1.4)	37010201
eClass (6.0)	37010203
eClass (6.1)	37010203
eClass (10.1)	37010203
UNSPSC (4.03)	40141602
UNSPSC (10.0)	40141602
UNSPSC (11.0501)	40141602
UNSPSC (13.0601)	40141602
UNSPSC (15.1)	40141602
UNSPSC (17.1001)	40141602

## Straight Pattern, Ball Stem

Needle valves with union-bonnet construction are available in a variety of materials, with working pressures up to 10000 psig (689 bar) and temperatures up to 1200°F (648°C).

## Contact

If you have questions about this product, please contact your local authorized sales and service center. They can also tell you about supporting services to help you get the most out of your investment.

*The complete catalog contents must be reviewed to ensure that the system designer and user make a safe product selection. When selecting products, the total system design must be considered to ensure safe, trouble-free performance. Function, material compatibility, adequate ratings, proper installation, operation, and maintenance are the responsibilities of the system designer and user.*

*Do not mix/interchange Swagelok products or components not governed by industrial design standards, including Swagelok tube fitting end connections, with those of other manufacturers.*



© 2026 Swagelok Company. All rights reserved.