



KPL Application Guide

Rev 11/25/2024

General Information

Contact Name:

Date:

Company Name:

Part Number:

Phone:

Number of Pieces Required:

Email:

Quote Number (if already quoted):

This has not been quoted yet and pricing is required.

Base Specifications

1. Orifice Plate Type:

2. Orifice Plate Material: 316L Stainless Steel

3. Drain/Vent Diameter:

4. Process Connection:

5. Pressure Tapping Type: Flange Tapping D+D/2 Tapping Corner Tapping

6. Line Size:

7. Wall Thickness or Schedule:

8. Pipe Outer Diameter:

9. Pipe Material:

Operating Conditions

1. Specific Type of Media:

2. State of Media: Gas Liquid Steam

3. Pipe Inner Diameter:

4. Operating Pressure:

5. Operating Temperature:

6. Operating Viscosity:

7. Isentropic Exponent (Cp/Cv):

8. Compressibility at Flow:

9. Operating Density:

10. Minimum Flow Rate: Normal Flow Rate: Max Flow Rate (set as upper range value):

11. Reference Pressure:

12. Reference Temperature:

13. Reference Compressibility:

Operating Conditions Continued

14. Reference Density:

Calculation Data (Nominal Conditions)

1. Orifice Bore Size:

2. DP at Minimum Flow:

3. DP at Normal Flow:

4. DP at Maximum Flow:

5. Drain/Vent Corr. Factor:

6. Beta:

7. Discharge Coefficient:

8. Bore Reynolds Number:

9. Pipe Reynolds Number:

10. Gas Expansion Factors:

11. Permanent Pressure Loss at Normal Flow:

12. Permanent Pressure Loss at Max Flow:

13. Velocity at Max Flow:

14. Minimum Accurate Flow:

Custom Configurations / Special Requirements