Dry Link® Standard Dry Disconnect Couplings for bulk transfer of liquids and powders

Standard couplings are specified in chemical and petrochemical industries for hazardous, high viscosity, and high-flow applications.

316 stainless steel wetted internal components. Also available with Alloy 20 (Carpenter 20) or Hastelloy C wetted parts construction.

Material certifications for metal components and certifications on FDA/USP available on request for a fee.

PTFE and FFKM seals (other options available).

TSE/BSE free.

Only polished valves.

Serialized part number on each disconnect for traceability when certs are ordered.

Certificate of Conformance when requested.

Technical Specifications

210 PSI maximum pressure

20° F to 230° F operating temperature range

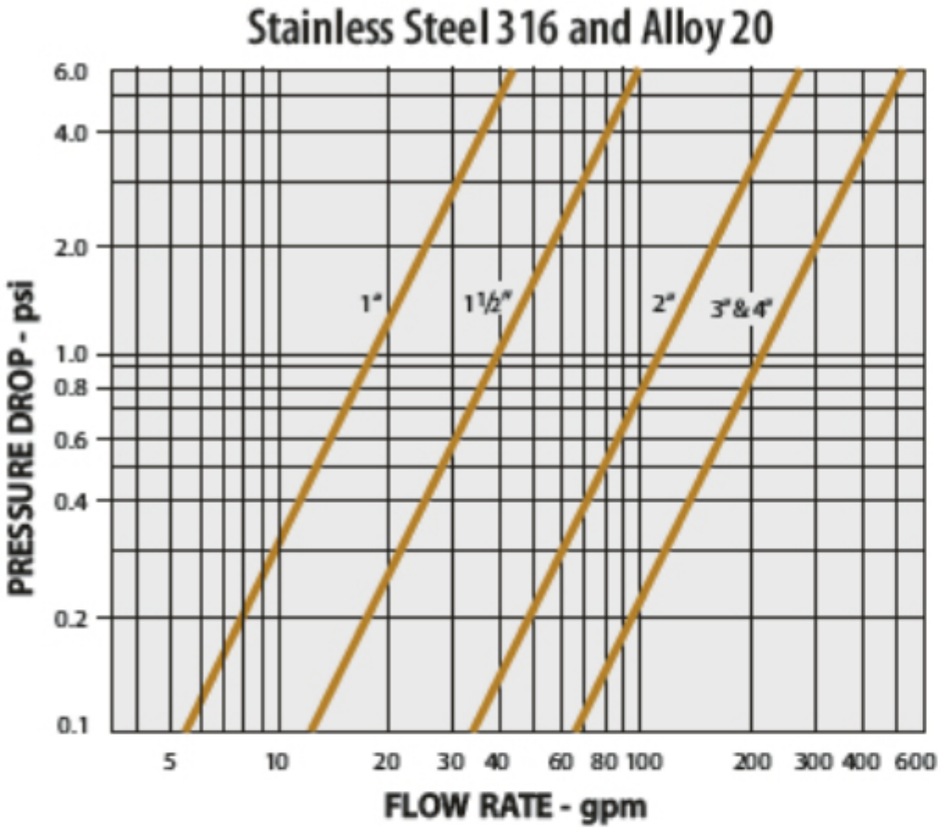
Available connections NPT, BSPP, Flanged*, ANSI Class 150, Triclover

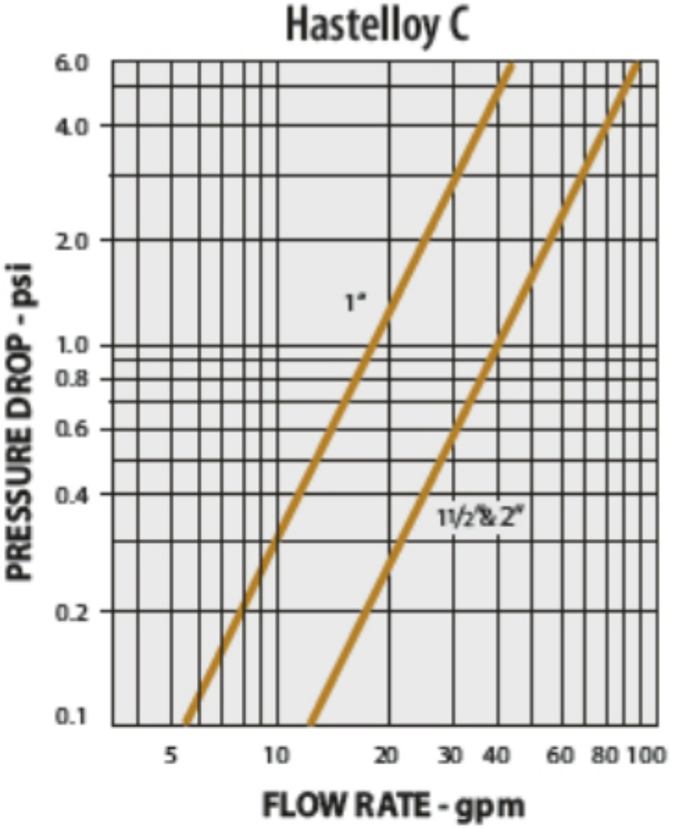
*Metric (DN) flanges also available by special order.

control devices AN HBM COMPANY | Dry Link®

800-233-1477 | cdivalve.com

Flow Data, Coefficients, Calculations & Pressure Drop





Flow Coefficients (Cv):

(Applicable to SS316 and Alloy 20)

C_v for size 1/2" = 4.25

C_v for size 3/4" = 9.56

C_v for size 1" = 17

C_v for size 1.5" = 40

C_v for size 2" = 111

C_v for sizes 3", 4" = 210

Note: Flow rates shown above are for water.

Flow Calculations: Given the pressure drop and the specific gravity of the liquid, the flow rate can be calculated by the following formula:

$$Q = C_v [\Delta P/G]^{0.5}$$

Where:

Q = Flow in US gallons per minute (gpm)

C_v = Coupling Flow Coefficient *(C_v is defined as the amount of flow of water in gpm for one psi drop in pressure across the coupling)*

G = Specific Gravity of liquid (water = 1.0)

ΔP = Pressure drop across Coupling, psi