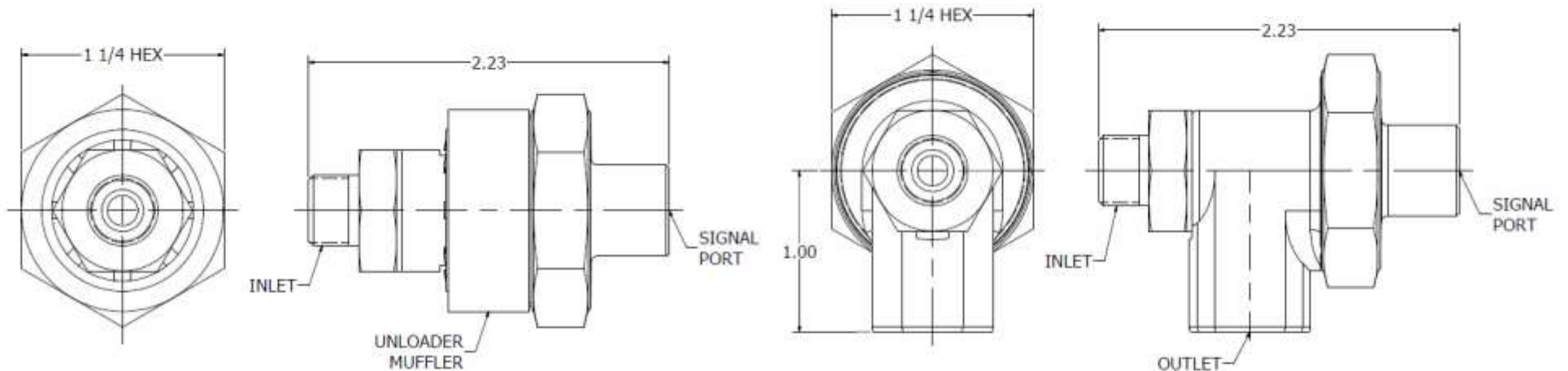# CONRADER

Unloader Valve
Model: D-Series

*Dimensions will vary with different connections and configurations.

Operating Specifications:

Operating Pressure Range: 40 to 250 psig

Operating Temperature Range: -65°F to 400°F

Max Flow Capacity: 20 SCFM @ 100 psig

Flow Coefficient (Cv): 1.13

Available Connections:
Connection Sizes: 1/4" to 3/8'' (-4 to -6)

Connection Types: NPT, Compression

Materials of Construction:

Body/Fittings: Brass

O-Rings: Silicone/Viton

Poppets: Reinforced PTFE

Springs: Stainless Steel

CONRADER

Ordering Information

D	1	-	M	-	SST

Configuration Number	Unloader Outlet Option		Thread Sealant	
See Available Configurations Below	Option	Code	Option	Code
	Muffler (Standard)	M	None	(Blank)
			White	SST

Options

1. Configuration: Available configurations are listed on the following pages. If the configuration needed is not listed please contact us at orders@conrader.com
2. Unloader Outlet
   a. Muffler: The muffler comes standard and reduces the noise from the unloader.
3. Thread Sealant:
   a. None
   b. White colored thread sealant.

Model	Unloader Inlet Connection	Unloader Outlet Connection	Signal Inlet Connection
D	1/8" (-2) MALE NPT 1/8-27 NPT	1/4" (-4) FEMALE NPT 1/4-18 NPT	1/8" (-2) FEMALE NPT 1/8-27 NPT
D1	1/4" (-4) COMPRESSION 7/16-24 UNS-2A	UNLOADER MUFFLER	1/8" (-2) FEMALE NPT 1/8-27 NPT
D2	1/4" (-4) FEMALE NPT 1/4-18 NPT	UNLOADER MUFFLER	1/8" (-2) FEMALE NPT 1/8-27 NPT
D3	1/4" (-4) COMPRESSION 7/16-24 UNS-2A	1/4" (-4) FEMALE NPT 1/4-18 NPT	1/8" (-2) FEMALE NPT 1/8-27 NPT
D4	1/4" (-4) FEMALE NPT 1/4-18 NPT	1/4" (-4) FEMALE NPT 1/4-18 NPT	1/8" (-2) FEMALE NPT 1/8-27 NPT
D5	1/4" (-4) FEMALE NPT 1/4-18 NPT	1/4" (-4) FEMALE NPT 1/4-18 NPT	1/4" (-4) MALE NPT 1/4-18 NPT
D6	1/8" (-2) MALE NPT 1/8-27 NPT	UNLOADER MUFFLER	1/8" (-2) FEMALE NPT 1/8-27 NPT
D7	1/4" (-4) MALE NPT 1/4-18 NPT	UNLOADER MUFFLER	1/8" (-2) FEMALE NPT 1/8-27 NPT
D8	1/4" (-4) MALE NPT 1/4-18 NPT	1/4" (-4) FEMALE NPT WITH MUFFLER 1/4-18 NPT	1/8" (-2) FEMALE NPT 1/8-27 NPT