

SINGLE SEAT PNEUMATIC VALVE

SERIES: L20

FEATURES

- MODULAR AND RUGGED CONSTRUCTION
- REDUCED WEIGHT AND DIMENSIONS
- DOUBLE GUIDED STEM TO PREVENT STEM MISALIGNMENTS AND PACKING DEFORMATIONS
- MINIMIZED CRYSTALLIZATION AND SOLIDIFICATION OF THE FLUID BY INSERTION OF THE BONNET INTO THE BODY
- REVERSABLE ACTUATOR WITH MULTIPLE SPRINGS AND VARIABLE SPRING RANGES



SPECIFICATIONS

Valve body

Type: globe, single seat
Connections: flanged UNI 2223/29 Pn16;40
ANSI 150/300 RF

Materials

-cast iron G25
-carbon steel ASTM A 216 WCB
-stainless steel ASTM A 351 CF8M

Bonnet

-normal
-finned
-extended

Bonnet packing

-PTFE coal graphite rings
-teflon / graphite asbestos
-graphite
-bellows seal

Trim

Plug Execution

-type contoured

Flow Characteristic

-equal percentage
-linear
-on / off

Rangeability

-1 / 50 (std. execution)

Seat / plug seal

-metal to metal
-Resilient

Leak rate

-CL. IV ANSI B16.104 (metal seal)
-CL. VI ANSI B16.104 (resilient seal)

Guide

-N 2. Upper

Material

-plug & seat: AISI 316
-guide bushing: AISI 440 C

Actuator

Type: diaphragm

Handwheel (on request)

-top / side

Action

-reversible (without top handwheel)

Materials:

-diaphragm: neoprene linen reinforced
-yoke: cast iron
-casing: steel plate

Air connection

1/4" NPT, F

OPTIONS

Valve body

Connections

-flanged ANSI B 16.5 125 FF/ JIS 5-40K
-S.W. according to ANSI B16.11
-B.W. according to ANSI B16: 25
-screwed ANSI B2.1

Materials

-steel A 352 LCB (for low temperature)
-steel A 217 WC9
-hastelloy

Bonnet

-finned (>300 °C)
-bellow seal (> 6 bar / 350 °C)

Seat / plug / guide materials

-AISI 316 stellite / solid stellite / hastelloy

Actuator

-reinforced execution: supply pressure max. 6 bar
-diaphragm: silicon rubber linen reinforced
(T. AMB. -50/130°C)

Materials

-Yoke: steel / stainless steel
-Plates: stainless steel

