

All Bray valves are pressure tested to 110% of rated pressure to assure bubble tight shutoff.



## SERIES 31H

2" - 20" (50mm-500mm)

Series 31H Lug valves are drilled and tapped to meet ASME Class 125/150 and PN16 flanges. Series 31H Valves will not be automated.

### PRESSURE RATINGS

**BIDIRECTIONAL BUBBLE-TIGHT SHUT OFF & DEAD-END SERVICE**

2-20" (50-500mm)	250 psi (17.2 Bar)
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**BODY: 250 psi (17.2 Bar) CWP**

### VELOCITY LIMITS For On/Off Services:

Fluids 30 ft/sec (9 m/s)	Gases 175 ft/sec (54 m/s)
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### STANDARD MATERIALS SELECTION 31H

**Body** Cast Iron  
Ductile Iron

**Disc** Aluminum Bronze  
Nylon 11 Coated Ductile Iron  
316 Stainless Steel

**Stem** 416 Stainless Steel

**Seat** Bonded EPDM  
Bonded BUNA-N

Material availability depends on valve size & series. Other materials are available. Please consult your local Bray representative for your specific application.

### STANDARD MATERIALS SELECTION S30/31

NAME	MATERIAL
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<b>Body</b>	Cast Iron
	Ductile Iron
	Carbon Steel
	Aluminum
<b>Disc</b>	Aluminum Bronze
	Coated Ductile Iron
	Nylon 11 Coated Ductile Iron
	Halar® Coated Ductile Iron
	304 Stainless Steel
	316 Stainless Steel
	Duplex Stainless Steel
	Super Duplex Stainless Steel
Hastelloy®	
<b>Stem</b>	416 Stainless Steel
	304 Stainless Steel
	316 Stainless Steel
	Monel K500
<b>Seat</b>	BUNA-N – Food Grade
	EPDM – Food Grade
	FKM*
	White BUNA-N – Food Grade
	Bonded EPDM
	Bonded BUNA-N



Material availability depends on valve size & series. Other materials are available. Please consult your local Bray representative for your specific application.

\*FKM is the ASTM D1418 designation for Fluorinated Hydrocarbon Elastomers (also called Fluoroelastomers). Hastelloy® is a registered trademark of Haynes International, Inc. Halar® is a registered trademark of Ausimont U.S.A., Inc.

