

CONNECTION BULLETIN

Vogt Valves

Forged Steel: ASTM A350, Grade LF2

FCD VVABR1009-00 - 01/05 (Replaces CB-09)





Forged Steel: ASTM A350, Grade LF2 Gate Valves



ASTM A350, Grade LF2

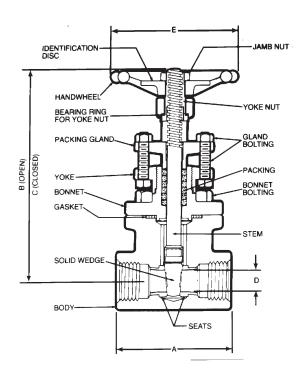
Class 150, 300, 600, 800 and 1500 Gate, Globe and Check Valves

For applications where: temperatures to -50°F are the rule not the exception!

- Traceable parts from stock
- Machined parts heat treated to ASTM A350, Grade LF2
- · Charpy impact tested
- · Verified strength and toughness
- · Flexible graphite packing
- · Flexible graphite filled gasket
- Meets API 602 dimensions
- Socket weld, threaded & flanged ends available



Forged Steel: ASTM A350, Grade LF2 Gate Valves



ASTM A350, Grade LF2 Class 800 and 1500 Gate Valves

Vogt LF2 valves meet all requirements of ASTM A350, Grade LF2 for environmental conditions where temperatures frequently remain at or near -50°F.

In addition, valves equipped with (MB8) 316 solution annealed trim (Rc 22 max hardness) and MB6 (Soft 13CR) can be used in low temperature NACE applications requiring materials in accordance with NACE standard MR-01-03.

Our LF2 valves are manufactured under a materials control system including

heat treatment procedures that assure the certified integrity of the product.

Other popular Vogt gate, globe and check valves are available with ASTM A350, Grade LF2 body and bonnet including many **special design requirements** for environmental conditions to -50°F and trim materials meeting NACE Standard MR-01-03.

See the Vogt Valve catalog, VVACT0000, for current listing or call your Flowserve Vogt Valves representative.

Order by size and number

Class 800 Conventional Port

Sizes: ½-2

1975 psi @ 100°F

Series Number		Material	
Threaded	Socket Weld	Body/Bonnet	Trim
32111	SW 32111	A350, GR. LF2	13% CR ★
32111MB8	SW 32111MB8	A350, GR. LF2	316 †

Class 1500 Conventional Port

Sizes: 1/2-2

3705 psi @ 100°F

Series Number		Material	
Threaded	Socket Weld	Body/Bonnet	Trim
35111	SW 35111	A350, GR. LF2	13% CR ★
35111MB8	SW 35111MB8	A350, GR. LF2	316 †

[★] Seats are hard faced.

For information only. For technical specifications refer to Vogt Valves Catalog, VVACT0000.

Pressure-Temperature Ratings

Service Temperature (°F)	Class 800 ASTM A350, GR. LF2 ^{(1) (2)} psi	Class 1500 ASTM A350, GR. LF2 ^{(1) (2)} psi		
-50 to 100	1975	3705		
200	1800	3375		
300	1750	3280		
400	1690	3170		
500	1595	2995		
600	1460	2735		
700	1420	2665		
800	1100	2060		
(1) Patients and in accordance with ACME DIC OA				

⁽¹⁾ Ratings are in accordance with ASME B16.34.

[†] Type 316 seats and wedges are hard faced and solution annealed to Rc 22 max per NACE std. MR-01-03.

⁽²⁾ Permissible but not recommended for prolonged use above 800°F.



United States

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FCD VVABR1009-00 Printed in USA. (Replaces CB-09)

To find your local Flowserve representative:

For more information about Flowserve Corporation, visit www.flowserve.com or call USA 1 800 225 6989

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