

Norris Butterfly Valves

Manufactured in Canada By:



**ALBERTA
OIL TOOL**

A **DOVER** COMPANY



Product Overview



Quality Certification
Bureau Inc.
ISO 9001:2000
Registered QMS



Norris
175 PSI
Body Style

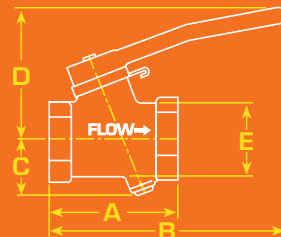
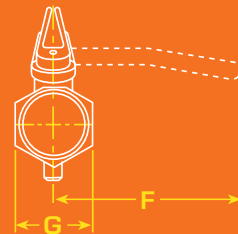
VALVES

VALVES

- The Norris body style valve, with a temperature range of -40° to $+350^{\circ}\text{F}$, is available in sizes 2" through 4". We offer a choice of rugged cast iron or aluminum bodies which may be specially coated to fit specific applications. As with all types of Norris valves, the body style valves feature positive disc drive.

- A nickel plated, ductile iron disc is standard. The 360° uninterrupted contact of disc O-ring with the seating area assures bubble-tight shutoff because the disc does not seat in shaft holes. After assembly, each valve is tested to 110% of its full 175 psi working pressure.

DIM	VALVE SIZE		
	2"	3"	4"
A	4.63	5.75	6.88
B	10.50	10.81	12.13
C	2.50	3.25	3.75
D	6.69	6.88	6.63
E	2.88	4.00	5.00
F	9.94	9.94	9.94
G	3.00	4.13	5.13



Wafer
Span Type
Model
1000



Norris ANSI
150 rated
(285 psi)
Positive
Shutoff
VALVES



BUTTERFLY

Norris D-Series Butterfly VALVES

- When bubble tight shutoff is not a requirement, Norris D-series metal lined damper type throttling valves with less than 0.5% Cv leakage are also available. Highly recommended for actuation due to low torque.

Norris T-Series Butterfly VALVES

- Norris T-Series (Teflon Disc Seal) valves with bi-directional flow have a maximum operation temperature of 410° and may be installed in certain high performance applications (consult factory for more information)



- Norris manufactures a line of 285 psi wp valves in sizes 2.5" through 36". Elastomer lined R-Series have a temperature range of -35° to +250°F. Metal lined M-Series valves meet NACE standards and are approved for CO₂ service and control of H₂S at the wellhead. M-Series valves have a temperature range of -65° to +400°F.

- The symmetrical design of Norris angle-disc valves, allows you to achieve the same highly efficient flow in both directions. Since the flow area is equal on both sides of the thru-shaft, no unbalanced flow occurs, as is experienced in conventional offset disc designs.

- As with 200 psi valves, Bubble-tight shutoff is assured because the disc does not seat in shaft holes. This valve features a high strength full-length shaft that is cross pinned to the disc with a large diameter solid pin. This creates a connection that is stronger than the torsional strength of the shaft itself.

Superior Reputation

The Norris tradition of excellence! It is the culmination of more than 100 years of proven performance in meeting the needs of its customers. Alberta Oil Tool manufactures the highest quality resilient and metal seated butterfly valves available today. Norris specializes in providing valves to customers who seek long service life and who need the capability to perform field maintenance. Industries and markets served by Norris include oilfield, industrial process, aviation fueling, petrochemical industries, pulp-paper, military/government and others.

Full
Lug Type
Model
3000



N O R R I S

Norris 200 PSI Positive Shutoff

VALVES

- Norris valves are manufactured in 2" through 36" sizes with a temperature range of -65° to + 400°F., depending on seat and seal material and type of media being handled.
- To assure valve integrity, every Norris valve is shell tested to 150% of its rated working pressure and differentially tested to 110% of its rated working pressure before shipment. (Example: 200wp valves are tested to 220 psi).
- The angle disc construction gives 360 degree uninterrupted contact of disc with seat. With the disc not seating in the shaft hole area, bubble tight shutoff is assured.
- Norris valve shafts are double O-ring sealed to prevent leakage into shaft bearing areas. The disc/shaft connection assures positive disc action. Precision fit prevents disc "flutter".
- Norris 200 psi valves can be used for controlling the flow of liquids, gases and solids, including abrasive and corrosive material. The limited use of elastomers in M-Series valves, make them ideal for handling gasoline and other volatile media which tend to dry the elastomer.
- Elastomer lined R-Series valves can be used for throttling control at flow rates up to 30 fps. Metal lined M-Series valves can be used for throttling control at flow rates up to 16 fps. Both metal and resilient elastomer seats are field replaceable.

NORRIS Butterfly Valve Accessories

When valve customizing is needed, Alberta Oil Tool can meet your requirements. Available are light and heavy duty gear operators, direct and handwheel mount chainwheels, manual handles and a complete line of operator extensions. If Actuators are specified, choices include Pneumatic, Electric, Hydraulic, Double Acting and Spring Return; also with a complete line of accessories. Consult Alberta Oil Tool for specific applications.



Actuators available with ISO Mounting



Gear Operators recommended for 6" and larger



Manual Handle
10 Position - 1A

10 Position Trigger
Lock Handle - 1F

For further information please contact:



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