

Danfoss

**CHECK VALVES WITH
TEFLON® SEALS**

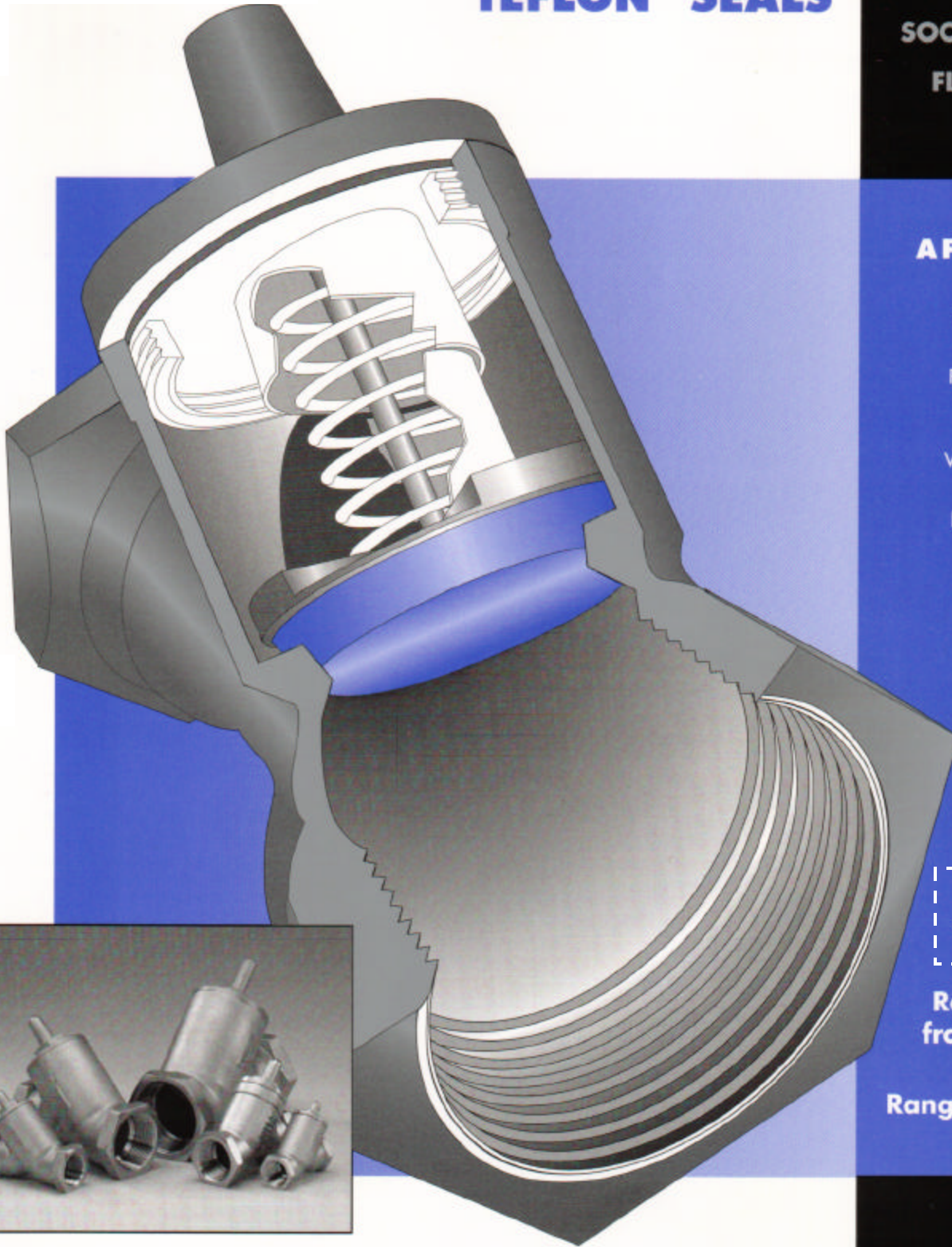
SERIES 816

THREADED ENDS

BUTT WELD ENDS

SOCKET WELD ENDS

FLANGED ENDS



APPLICATIONS

CHEMICAL
PETROCHEMICAL
POWER
PHARMACEUTICAL
PULP & PAPER
WATER/WASTE
WATER TREATMENT
MINING
DE-SALINIZATION
IRRIGATION
REFRIGERATION
AGRICULTURE
H.V.A.C.
MARINE
OIL PRODUCTS
BEVERAGE

Patented
Teflon® Seal

Range of Sizes
from 1/4" to 4"

Range of Connections

*There is no more effective or reliable
check valve on the market today.*

FLOMATIC® VALVES

Manufactured by: Flomatic Corporation, 15 Pruyn's Island Dr, Glens Falls, New York 12801

Phone: 518-761-9797

Fax: 518-761-9798

www.flomatic.com

WARD VALVE™

Trademark

SERIES 816

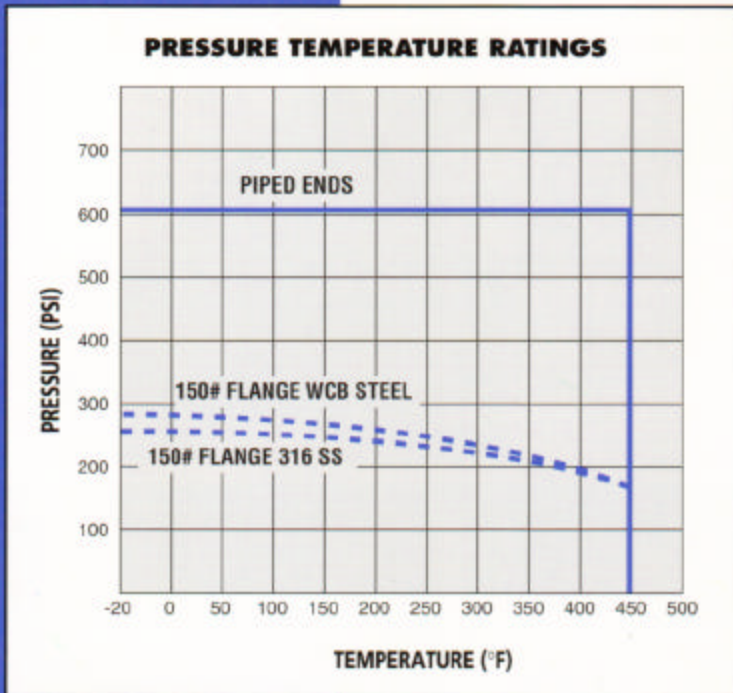
UNIQUE CHECK VALVES WITH HIGH RATINGS

The Ward Check Valve has been rigorously tested at independent laboratories in programs that included a 15,000 cycle test and actual flow testing, after which there

were no signs of leakage (Test results are available upon request.) These unique valves have been accepted by major CPI users for applications including multi-process lines where check valve leakage causes expensive product loss. Ward Valves' CV, cracking pressure, and pressure/temperature ratings are equal or superior to competitive products, making this specialty valve ideal for chemical applications. The Ward Check Valve has a maximum temperature rating of 450° and a steam rating (saturated) of 150 W.S.P. Available with flanged ends in 1" to 4" diameters or threaded, socket-welded and butt-welded ends in 1/4" to 2" diameters, there is no more effective or reliable check valve on the market today.

VALVE SIZE	CV RATINGS
1/4"	1.21
3/8"	1.40
1/2"	1.79
3/4"	9.60
1"	20.0
1-1/4"	33.0
1-1/2"	48.4
2"	87.0
3"	194.7
4"	343.1

VALVE SIZE	CRACKING PRESSURE (psi)
1/4-3/8-1/2"	2.5
3/4"	2.0
1"	1.2
1-1/4"	0.9
1-1/2"	0.9
2"	0.8
3"	0.5
4"	0.5



HOW TO ORDER PART NUMBER CODE

TYPE: YV-CHECK VALVE, S-STRAINER

SIZE	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
	250	375	500	750	001	125	150	002

END CONNECTIONS

- 1 - THREADED N.P.T.
- 2 - SOCKET WELD SCH. 80
- 3 - BUTT WELD SCH. 80
- 4 - FLANGED END 150# CLASS

BODY MATERIAL

- 1 - 316 STAINLESS STEEL
- 2 - WCB STEEL
- 3 - ALLOY 20
- 4 - MONEL
- 5 - HASTELLOY C

SEAT/CAP SEAL MATERIAL

- 00 - STRAINER
- 01 - PTFE
- 02 - METAL SEAT GRAPHITE SEAL
- 03 - STRAINER TEFLON CAP SEAL
- 04 - STRAINER GRAPHITE CAP SEAL

OPTIONS

- 01 - SCH. 40 WELD ENDS
- 02 - SCH. 5 WELD ENDS
- 03 - OXYGEN CLEANED
- 04 - VACUUM SERVICE

YV-500-1- 1- 01- 00

Example shown is for a 1/2" check valve, N.P.T. threaded 316SS, P. Teflon seat and seal.

SPECIFICATIONS

In-line spring-loaded Teflon® soft-seated plunger, encapsulated spring, body material CF3M, and WCB steel; all 316SS internals. Replaceable seat and plunger. Size 1/4" through 2".

Connections:	ASME STD.
Threaded	B.1.20.1, B16.34
Butt Weld	B16.25, B16.10, B16.34
Socket Weld	B16.11, B16.10, B16.34
Max. Pressure	600 psi
Max. Temperature	450°F
Flanged	B16.34, B16.5, B16.10
Size	1" through 4"
Flanged End Pressure Rating at 100°F	
Stainless	CF8M 275 psi
Carbon Steel	WCB 285 psi



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High Quality Valves Built to Last . . .