

For use in China, Europe, Middle East, North America and South East Asia only.

Neotecha NeoSeal

Lined Butterfly Valves

Model / Series		Size	End Connection	Drilling / Schedule	Face-to-Face	Pressure Rating	Body Material	Disc Material	Stem Material	Seat Material	Sealing Material	Mounting Type	Actuation Type	Optional Feature 1	Optional Feature ...	Actuation Option	
NSD	-	0040	L0	A1	20	03	D2	L11	S2	T5	00	I	B	-	NP1	TPZ	+ GS-001



Model / Series

Code	Description
NSD	NeoSeal NSD

Size

Code	Description
0040	DN 40 / NPS 1½
0050	DN 50 / NPS 2
0065	DN 65 / NPS 2½
0080	DN 80 / NPS 3
0100	DN 100 / NPS 4
0125	DN 125 / NPS 5
0150	DN 150 / NPS 6
0200	DN 200 / NPS 8
0250	DN 250 / NPS 10
0300	DN 300 / NPS 12
0350	DN 350 / NPS 14
0400	DN 400 / NPS 16
0450	DN 450 / NPS 18
0500	DN 500 / NPS 20
0600	DN 600 / NPS 24
0700	DN 700 / NPS 28
0750	DN 750 / NPS 30
0800	DN 800 / NPS 32
0900	DN 900 / NPS 36
ZZZZ	Special

End Connection

Code	Description
L0	Lugged
W0	Wafer
F0	Flanged

Drilling / Schedule

Code	Description
A1	ASME 150
P2	PN 10
P3	PN 16
J3	JIS 10K
MJ	PN 10, JIS 10
PB	PN 10/16
MH	PN 10/16, AS 2129 E
MN	PN 10/16, JIS 10
MY	ASME 150, PN 10/16, JIS 10, AS 2129 E
M8	ASME 150, PN 10/16, JIS 10
MC	ASME 150, PN 10/16
ZZ	Special

Face-to-Face

Code	Description
20	EN558 Series 20 - ISO 5752 BS 20
16	EN558 Series 16 - ISO 5752 BS 16
ZZ	Special

Pressure Rating

Code	Description
03	2.5 Bar / 35 psi
06	6 Bar / 90 psi
10	10 Bar / 150 psi

Body Material

Code	Description
D2	Ductile Iron A395 60-40-18 / EN 5.3103 (JS1049)

Model / Series	Size	End Connection	Drilling / Schedule	Face-to-Face	Pressure Rating	Body Material	Disc Material	Stem Material	Seat Material	Sealing Material	Mounting Type	Actuation Type	Optional Feature 1	Optional Feature ...	Actuation Option				
																NSD	-	0040	L0

Disc Material

Code	Description
L11	Stainless Steel - PFA
L12	Stainless Steel - PFA (clean process SP5)
L21	Stainless Steel - Conductive PFA
L51	Stainless Steel - UHMWPE
L71	Steel - PFA
L81	Steel - Conductive PFA
L91	Steel - UHMWPE
U00	Duplex 2205
U0S	Duplex 2205 - Grinded
U0M	Duplex 2205 - Mirror polished
U0J	Duplex 2205 - Hardalloy
S40	Stainless Steel 316L
X50	Titanium B348 Grade 4
X5L	Titanium B348 Grade 4 - PFA
H20	Hastelloy C-22
H2M	Hastelloy C-22 - Mirror polished
ZZZ	Special

Stem Material

Code	Description
S2	Stainless Steel 431
SH	Stainless Steel 17-4 PH (630)
U0	Stainless Steel Duplex
H2	Hastelloy C-22
X5	Titanium B348 Grade 4
ZZ	Special

NOTES

1. This document is intended for product model code decodification, not product configuration. Option availability and compatibility may be dependent on the selection of another option. For product configuration support, consult your local Emerson representative.
2. This list of options is not exhaustive. Consult your local Emerson representative for additional options.

Seat Material

Code	Description
T5	PTFE / Silicon
U5	UHMWPE / Silicon
L5	TFM 1600 / Silicon
C5	TFM 6221 Conductive / Silicon
T1	PTFE / EPDM
U7	UHMWPE / EPDM
L7	TFM 1600 / EPDM
C7	TFM 6221 Conductive / EPDM
T6	PTFE / FKM
U6	UHMWPE / FKM
L6	TFM 1600 / FKM
C6	TFM 6221 Conductive / FKM
X3	Butyl
X1	Hypalon
X5	Nitril
S1	Silicon
E1	EPDM - FG
F0	FKM - A
X6	XFKM (Carboxylated FKM)
ZZ	Special

Sealing Material

Code	Description
00	Standard (refer to Product Literature)
ZZ	Special

Operator Mounting Type

Code	Description
I	ISO 5211

Actuation Type

Code	Description
B	Bare Stem

Optional Features

Code	Description
NP1	Additional 316 Stainless Steel Tag
TPZ	Special Hydrostatic Test Report

NOTE

For the full list of optional features, consult your local Emerson representative.

Additional Actuation Options

Code	Description
HS-##	Standard Handle ^[1]
GS-###	Standard Gear ^[1]
PS-#####	Standard Pneumatic Actuator ^[2]
HZ	Other Handle ^[3]
GZ	Other Gear Operators ^[3]
PZ	Other Pneumatic Actuators ^[3]
EZ	Other Electric Actuators ^[3]

NOTES

1. Additional characters identify specific handle or gear. For the full list, consult the Handles and Gear Operators Addendum ([VCREP-14325](#)).
2. Additional characters identify actuator configuration.
3. Required operator, mounting and accessory part number(s) are specified per order acknowledgment.

VCREP-13354-EN © 2019, 2024 Emerson Electric Co. All rights reserved 04/24. Neotecha is a mark owned by one of the companies of Emerson Electric Co. The Emerson logo is a trademark and service mark of Emerson Electric Co. All other marks are the property of their prospective owners.

The contents of this publication are presented for informational purposes only, and while every effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our terms and conditions, which are available upon request. We reserve the right to modify or improve the designs or specifications of such products at any time without notice.

Emerson Electric Co. does not assume responsibility for the selection, use or maintenance of any product. Responsibility for proper selection, use and maintenance of any Emerson Electric Co. product remains solely with the purchaser.

[Emerson.com](https://www.emerson.com)

NEOTECHA[™]

