

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

# Neotecha NeoSeal

## Lined Butterfly Valves

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

### Pressure Rating

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

### 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

### Body Material

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

### Face-to-Face

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

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

**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

**Additional Actuation Options**

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

**ACTUATION 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.

**GENERAL 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.

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