

ATEX

X = ATEX

AIR DISTRIBUTION SYSTEM

- AxP = ACCU-FLO™ - PRO-FLO® BASE
- AxT = ACCU-FLO™ - TURBO-FLO™ BASE
- AxV = ACCU-FLO™ - VELOCITY BASE
- AxB = ACCU-FLO™ - BLOCK BASE
- GPS = ATEX, CSA, PRO-FLO® SHIFT
- H = HIGH PRESSURE
- HxS = HIGH PRESSURE - SIMPLEX TYPE
- P = PRO-FLO®
- PS = PRO-FLO® SHIFT
- T = TURBO-FLO™
- V = VELOCITY

MODEL SIZE

CLAMPED METAL AND PLASTIC (ORIGINAL)

- 0.025 = 6 mm (1/4")
- 1 = 13 mm (1/2")
- 2 = 25 mm (1")
- 4 = 38 mm (1-1/2")
- 8 = 51 mm (2")
- 15 = 76 mm (3")
- 20 = 102 mm (4")

BOLTED PLASTIC (ADVANCED)

- 25 = 6 mm (1/4")
- 100 = 13 mm (1/2")
- 200 = 25 mm (1")
- 400 = 38 mm (1-1/2")
- 800 = 51 mm (2")
- 1500 = 76 mm (3")

BOLTED METAL (FIT)

- 220 = 25 mm THREADED
- 230 = 25 mm FLANGED
- 420 = 38 mm THREADED
- 430 = 38 mm FLANGED
- 820 = 51 mm THREADED
- 830 = 51 mm FLANGED
- 1520 = 76 mm THREADED
- 1530 = 76 mm FLANGED

VELOCITY

- 2550 = 6 mm (1/4")
- 150 = 13 mm (1/2")

BRAHMA™

- 810 = 51 mm (2") TOP INLET
- 1510 = 76 mm (3") TOP INLET

WETTED PARTS

PLASTIC WETTED PATH

- P = POLYPROPYLENE
 - K = PVDF
- METALLIC WETTED PATH
- A = ALUMINUM
 - S = STAINLESS STEEL
 - W = DUCTILE IRON
 - H = ALLOY C (NOT FIT METAL)

OUTER PISTON

- P = POLYPROPYLENE
- K = PVDF
- A = ALUMINUM
- S = STAINLESS STEEL
- M = MILD STEEL
- W = DUCTILE IRON
- H = ALLOY C (NOT FIT METAL)
- Z = NO OUTER PISTON

AIR CHAMBERS*

- A = ALUMINUM
- C = PTFE-COATED ALUMINUM
- M = MILD STEEL
- N = NICKEL-PLATED ALUMINUM
- P = POLYPROPYLENE
- S = STAINLESS STEEL
- V = HALAR®-COATED ALUMINUM
- W = DUCTILE IRON

CENTER BLOCK*

- A = ALUMINUM
- N = NICKEL-PLATED ALUMINUM
- P = POLYPROPYLENE
- S = STAINLESS STEEL

AIR VALVE

- A = ALUMINUM
- B = BRASS
- D = BRASS w/OIL BOTTLE
- G = CONDUCTIVE ACETAL
- I = POWDER-COATED
- J = CONDUCTIVE POLYPROPYLENE
- K = PVDF
- L = ACETAL
- N = NICKEL
- P = POLYPROPYLENE
- R = ANODIZED ALUMINUM
- S = STAINLESS STEEL
- U = UHMW

DIAPHRAGMS

EZ-INSTALL

- ZGS = GEOLAST®, EZ-INSTALL
- ZPS = POLYURATHANE, EZ-INSTALL
- ZSS = SANIFLEX™, EZ-INSTALL [Hytre]®
- ZWS = WIL-FLEX™, EZ-INSTALL [Santoprene®]

INTEGRAL PISTON DIAPHRAGMS (IPD)

- FULL STROKE
- FWL = FULL-STROKE SANITARY WIL-FLEX™ IPD [Santoprene®]
- TSS = FULL-STROKE PTFE W/ SANIFLEX™ BACKUP
- TWS = FULL-STROKE PTFE w/WIL-FLEX™ BACKUP
- WWL = FULL-STROKE WIL-FLEX™ IPD [Santoprene®]

TRADITIONAL

- BNS = BUNA-N
- EPS = EPDM
- NES = NEOPRENE
- PUS = POLYURETHANE
- VTS = FKM
- WFS = WIL-FLEX™ [Santoprene®]
- XBS = CONDUCTIVE BUNA-N

INTEGRAL PISTON DIAPHRAGMS (IPD)

- REDUCED STROKE
- LEL = PTFE EPDM BACKED, IPD
- TEL = PTFE w/EPDM BACKUP O-RING, IPD
- TNL = PTFE w/NEOPRENE BACKUP O-RING, IPD

ULTRA-FLEX™

- BNU = BUNA-N, ULTRA-FLEX™
- EPD = EPDM, ULTRA-FLEX™
- NEU = NEOPRENE ULTRA-FLEX™
- VTU = FKM, ULTRA-FLEX™

REDUCED STROKE PTFE

- TEU = PTFE w/EPDM BACKUP
- THU = PTFE w/HIGH TEMP BUNA-N BACKUP
- TNU = PTFE w/NEOPRENE BACKUP
- TSU = PTFE w/SANIFLEX™ BACKUP
- TXU = PTFE w/CONDUCTIVE BUNA BACKUP

SANITARY

- FES = SANITARY EPDM
- FSL = FULL-STROKE SANITARY SANIFLEX™ IPD [Hytre]®
- FSS = SANIFLEX™ [Hytre]®
- FWS = SANITARY WIL-FLEX™ [Santoprene®]

VALVE BALLS

- BN = BUNA-N
 - EP = EPDM
 - FE = SANITARY EPDM
 - FS = SANIFLEX™
 - FW = SANITARY WIL-FLEX™ [Santoprene®]
 - NE = NEOPRENE
 - PU = POLYURETHANE
 - TF = PTFE
 - VT = FKM
 - WF = WIL-FLEX™ [Santoprene®]
- CHECK VALVES (HYGIENIC™ SERIES)**
- SF = 316L STAINLESS STEEL FLAP (HS)
 - TM = PTFE MUSHROOM (HS)

FLAP VALVES (BRAHMA™)

- BF = BUNA-N
- NF = NEOPRENE

VALVE SEATS

- A = ALUMINUM
- BN = BUNA-N
- EP = EPDM
- FS = SANIFLEX™
- FW = SANITARY WIL-FLEX™ [Santoprene®]
- H = ALLOY C
- K = PVDF
- M = MILD STEEL
- NE = NEOPRENE
- P = POLYPROPYLENE
- PU = POLYURETHANE
- S = STAINLESS STEEL
- VT = FKM
- WF = WIL-FLEX™ [Santoprene®]

MANIFOLD O-RINGS

- BN = BUNA-N
- EP = EPDM
- FS = SANIFLEX™
- NE = NEOPRENE
- PU = POLYURETHANE
- TF = PTFE
- TV = PTFE-ENCAPSULATED FKM
- WF = WIL-FLEX™

FLANGE OR MANIFOLD GASKETS

- EP = EPDM
- FB = SANITARY BUNA-N
- FE = SANITARY EPDM
- FV = FOOD-GRADE FKM
- TF = PTFE

WILDEN ELASTOMER COLOR CODE IDENTIFICATION CHART

MATERIAL	MATERIAL CODE	DIAPHRAGM COLOR	WILDEN CURRENT COLOR IDENTIFICATION
Polyurethane	50	Translucent Tan	Solid Natural Diaphragm
Neoprene	51	Black	One Green Dot
Buna-N	52	Black	One Red Dot
FKM	53	Black	One White Dot
EPDM Nordel	54	Black	One Blue Dot
PTFE	55	White	Solid White Diaphragm
Hytre (Saniflex™)	56	Cream	Solid Cream Diaphragm
Food Grade Santoprene (Wil-flex™)	57	Tan	Two Black Dots
Santoprene (Wil-flex™)	58	Tan	Three Black Dots
50/50 Wil-Flex™ (Intermediate Shore Hardness)	63	Tan	One Black Dot
Food Grade FKM	68	Black	Two White Dots
Food Grade EPDM Nordel	74	Black	Two Blue Dots
Conductive Buna (ESD)	86	Black	Two Red Dots

NOTE: Not all combinations are available on all pump models.

*Models under 1" requires a one piece center section.

A, P, T, or W / XXXX / XX / XX / XXX / xxx

MODEL

O-RINGS

VALVE SEAT

VALVE BALLS

DIAPHRAGMS

AIR VALVE

CENTER BLOCK OR CENTER SECTION

AIR CHAMBER OR CENTER SECTION

WETTED PARTS

SPECIALTY CODE

(IF APPLICABLE)

PUMP MODEL — INLET

A or P.025	=	1/4"
P.050	=	1/2"
A, T, or P1	=	1/2"
A100, P100	=	1/2"
A, T, or P2	=	1"
A200, P200	=	1"
A, T, P, or W 4	=	1-1/2"
P400, W400	=	1-1/2"
A, T, P, or W 8	=	2"
P800, W800	=	2"
A, T, or W 15	=	3"
P1500, W1500	=	3"
A or T 20	=	4"

AIR SYSTEM BASE TYPE

B	=	ADAPTER BLOCK
T	=	Turbo-Flo™
P	=	Pro-Flo™

WETTED PARTS (WETTED PATH)

A	=	ALUMINUM
D	=	CONDUCTIVE POLYETHYLENE
E	=	POLYETHYLENE
F	=	CONDUCTIVE TEFLON®
G	=	CARBON FILLED ACETAL
G	=	CONDUCTIVE ACETAL (Equalizer®)
H	=	ALLOY C
K	=	PVDF
P	=	POLYPROPYLENE
S	=	STAINLESS STEEL
S	=	316L POLISHED STAINLESS STEEL
T	=	TEFLON® PFA
T	=	TEFLON® PTFE
W	=	CAST IRON

AIR CHAMBERS

A	=	ALUMINUM
C	=	TEFLON® COATED ALUMINUM
G	=	CONDUCTIVE ACETAL
K	=	PVDF
M	=	MILD STEEL
N	=	NICKEL PLATED ALUMINUM
S	=	STAINLESS STEEL
S	=	316 STAINLESS STEEL
S	=	316L STAINLESS STEEL
T	=	TEFLON® PFA
V	=	HALAR® COATED ALUMINUM
W	=	CAST IRON

AIR CHAMBER/CENTER BLOCK

A	=	ALUMINUM
C	=	TEFLON® COATED ALUMINUM
D	=	CONDUCTIVE POLYETHYLENE
F	=	CONDUCTIVE TEFLON®
L	=	ACETAL
M	=	MILD STEEL
N	=	NICKEL PLATED ALUMINUM
P	=	POLYPROPYLENE
S	=	STAINLESS STEEL

CENTER SECTION

AA	=	ALUMINUM
CC	=	TEFLON® COATED ALUMINUM
DD	=	CONDUCTIVE POLYETHYLENE
EE	=	POLYETHYLENE
FF	=	CONDUCTIVE TEFLON® PTFE
KK	=	PVDF
LL	=	ACETAL
NN	=	NICKEL PLATED ALUMINUM
PP	=	POLYPROPYLENE
YY	=	NYLON

AIR VALVE

A	=	ALUMINUM
B	=	BRASS
C	=	TEFLON® PFA COATED
D	=	BRASS W/OIL BOTTLE
E	=	POLYETHYLENE
K	=	PVDF
L	=	ACETAL
N	=	NICKEL PLATED
P	=	POLYPROPYLENE
S	=	STAINLESS STEEL
U	=	UHMW PE

DIAPHRAGMS

BN	=	BUNA-N (Red Dot)
BX	=	BUNA-N W/INTEGRAL OUTER PISTON
EL	=	TETRA-FLEX™ PTFE LAMINATE W/NORDEL® (White)
ET	=	TEFLON® PTFE W/INTEGRAL OUTER PISTON (White)
EX	=	NORDEL® PTFE W/INTEGRAL OUTER PISTON
FB	=	FDA BUNA-N (2 Red Dots)
FE	=	FDA NORDEL® (2 Blue Dots)
FG	=	SANIFLEX™ [Hytre® (Cream)]
FW	=	FDA WIL-FLEX™
ND	=	NORDEL® (Blue Dot)
NE	=	NEOPRENE (Green Dot)
NT	=	TETRA-FLEX™ PTFE LAMINATE W/NEOPRENE (White)
PX	=	POLYETHYLENE W/INTEGRAL OUTER PISTON

PU = POLYURETHANE (Clear)

TB = TEFLON® W/HIGH TEMP

BUNA-N BACK-UP

TE = TEFLON® W/EPDM BACK-UP (White)

TF = TEFLON® PTFE (White)

TS = TEFLON® W/SANIFLEX™ BACK-UP (White)

TX = TEFLON® PTFE W/INTEGRAL OUTER PISTON (White)

TY = TEFLON® PTFE W/NORDEL® BACK-UP

VL = TETRA-FLEX™ PTFE LAMINATE W/VITON® (White)

VT = VITON® (Silver or White Dot)

WF = WIL-FLEX™ [Santoprene® (Orange Dot)]

ULTRA-FLEX™ DIAPHRAGMS

UB	=	BUNA-N (Red Dot)
UE	=	NORDEL® (Blue Dot)
UN	=	NEOPRENE (Green Dot)
UV	=	VITON® (Silver or White Dot)

VALVE BALL

BN	=	BUNA-N (Red Dot)
FG	=	SANIFLEX™ [Hytre® (Cream)]
FV	=	FOOD GRADE VITON® (Gray)
ND	=	NORDEL® (Blue Dot)
NE	=	NEOPRENE (Green Dot)
PU	=	POLYURETHANE (Brown)
TF	=	TEFLON® PTFE (White)
SS	=	STAINLESS STEEL
VT	=	VITON® (Silver or White Dot)
WF	=	WIL-FLEX™ [Santoprene® (Orange Dot)]

VALVE SEAT

A	=	ALUMINUM
BN	=	BUNA-N (Red Dot)
D	=	CONDUCTIVE POLYETHYLENE
E	=	POLYETHYLENE
F	=	CONDUCTIVE TEFLON®
FG	=	SANIFLEX™ [Hytre® (Cream)]
G	=	CARBON FILLED ACETAL
H	=	ALLOY C
K	=	PVDF
M	=	MILD STEEL
ND	=	NORDEL® (Blue Dot)
NE	=	NEOPRENE (Green Dot)
P	=	POLYPROPYLENE
PU	=	POLYURETHANE (Brown)
S	=	STAINLESS STEEL
S	=	316L POLISHED STAINLESS STEEL
T	=	TEFLON® PFA

T = TEFLON® PTFE

VT = VITON® (Silver or White Dot)

WF = WIL-FLEX™ [Santoprene® (Orange Dot)]

VALVE SEAT O-RING

BN	=	BUNA-N (Red Dot)
FG	=	SANIFLEX™ [Hytre® (Cream)]
FS	=	FLUORO-SEAL™
ND	=	NORDEL® (Blue Dot)
PU	=	POLYURETHANE (Brown)
TF	=	TEFLON® PTFE (White)
TV	=	TEFLON® ENCAP. VITON®
WF	=	WIL-FLEX™ [Santoprene®]

MANIFOLD O-RING

BN	=	BUNA-N (Red Dot)
TF	=	TEFLON® PTFE (White)

CHECK VALVES

CE	=	POLYETHYLENE CYLINDER
CT	=	TEFLON® PTFE CYLINDER
FB	=	FDA BUNA-N BALL
FE	=	FDA NORDEL® BALL
FG	=	SANIFLEX™ BALL
FV	=	FDA VITON®
FW	=	FDA WIL-FLEX™
ND	=	NORDEL® BALL
SF	=	304 STAINLESS STEEL FLAPPER
SS	=	316L STAINLESS STEEL
SS	=	STAINLESS STEEL BALL
TF	=	TEFLON® PTFE BALL
TM	=	TEFLON® PTFE MUSHROOM
2F	=	316L STAINLESS STEEL 2" FLAP

FLANGE GASKETS

FB	=	FOOD GRADE BUNA-N
FE	=	FOOD GRADE NORDEL®
TF	=	TEFLON® PTFE

MANIFOLD GASKET

ND	=	NORDEL®
VT	=	VITON®

HOUSING MATERIAL

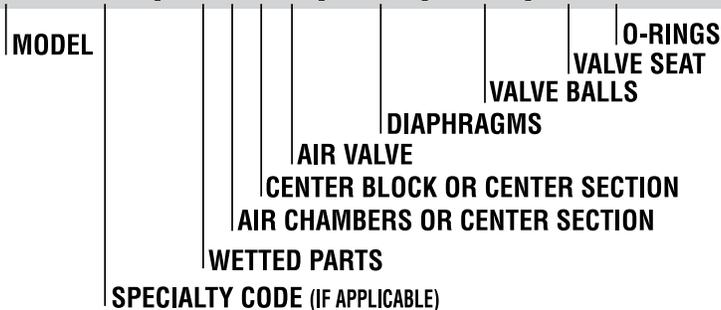
E	=	POLYCARBONATE
---	---	---------------

AIR REGULATOR BODY

GG	=	CARBON FILLED ACETAL
PP	=	POLYPROPYLENE

*Some models use a single piece CENTER SECTION that incorporates air chambers and the center block into one part.

M XXX-xxx / XXXX / XX / XX / XXX



In the case where a center section is used instead of a center block and air chambers, the designation will be as follows:
 Aluminum = AA, Polypropylene = PP, Carbon-filled Acetal = GG, Nylon = YY, Acetal = LL

WILDEN PUMP DESCRIPTION MATERIAL CODES

<p>PUMP MODEL</p> <p>M.025 = .25" INLET</p> <p>M1 = .5" INLET</p> <p>M2 = 1" INLET</p> <p>M4 = 1.5" INLET</p> <p>M8 = 2" INLET</p> <p>M15 = 3" INLET</p> <p>M20 = 4" INLET</p>	<p>WETTED PARTS</p> <p>A = ALUMINUM</p> <p>G = CARBON-FILLED ACETAL</p> <p>H = HASTELLOY</p> <p>L = VIRGIN ACETAL</p> <p>K = PVDF</p> <p>P = POLYPROPYLENE</p> <p>S = STAINLESS STEEL</p> <p>T = TEFLON® PFA</p> <p>W = CAST IRON</p> <p>X = PLEXIGLASS</p>	<p>AIR CHAMBERS</p> <p>A = ALUMINUM</p> <p>C = TEFLON® PFA-COATED</p> <p>G = CARBON-FILLED ACETAL</p> <p>L = VIRGIN ACETAL</p> <p>M = MILD STEEL</p> <p>N = NICKEL-COATED</p> <p>P = POLYPROPYLENE</p> <p>S = STAINLESS STEEL</p> <p>W = CAST IRON</p> <p>X = PLEXIGLASS</p> <p>Y = NYLON</p>
<p>CENTER BLOCK</p> <p>A = ALUMINUM</p> <p>C = TEFLON® PFA-COATED</p> <p>G = CARBON-FILLED ACETAL</p> <p>L = VIRGIN ACETAL</p> <p>N = NICKEL-COATED</p> <p>P = POLYPROPYLENE</p> <p>S = STAINLESS STEEL</p> <p>X = PLEXIGLASS</p> <p>Y = NYLON</p>	<p>AIR VALVES</p> <p>B = BRASS</p> <p>C = TEFLON® PFA-COATED</p> <p>D = BRASS W/OIL BOTTLE</p> <p>E = SOLENOID-OPERATED</p> <p>N = NICKEL-COATED</p> <p>Q = CONDUCTIVE ISOPLAST</p> <p>S = STAINLESS STEEL</p> <p>Z = ISOPLAST</p>	<p>DIAPHRAGMS</p> <p>BN = BUNA-N®</p> <p>FG = SANI-FLEX™</p> <p>ND = NORDEL®</p> <p>NE = NEOPRENE</p> <p>PU = POLYURETHANE</p> <p>TF = TEFLON® W/SANI-FLEX™ BACKUP</p> <p>TN = TEFLON® W/NEOPRENE BACKUP</p> <p>VT = VITON®</p> <p>WF = WIL-FLEX™</p>
<p>VALVE BALL</p> <p>BN = BUNA-N®</p> <p>FG = SANI-FLEX™</p> <p>ND = NORDEL®</p> <p>NE = NEOPRENE</p> <p>PU = POLYURETHANE</p> <p>TF = TEFLON® PTFE</p> <p>VT = VITON®</p> <p>WF = WIL-FLEX™</p>	<p>VALVE SEAT</p> <p>A = ALUMINUM</p> <p>BN = BUNA-N®</p> <p>FG = SANI-FLEX™</p> <p>G = CARBON-FILLED ACETAL</p> <p>H = HASTELLOY</p> <p>K = PVDF</p> <p>L = ACETAL</p> <p>M = MILD STEEL</p> <p>ND = NORDEL®</p> <p>NE = NEOPRENE</p> <p>P = POLYPROPYLENE</p> <p>PU = POLYURETHANE</p> <p>S = STAINLESS STEEL</p> <p>T = TEFLON® PFA</p> <p>VT = VITON®</p> <p>WF = WIL-FLEX™</p> <p>X = PLEXIGLASS</p>	<p>VALVE SEAT O-RING</p> <p>BN = BUNA-N®</p> <p>CR = CHEMRAZ®</p> <p>FG = SANI-FLEX™</p> <p>FS = FLUORO-SEAL™</p> <p>ND = NORDEL®</p> <p>NE = NEOPRENE</p> <p>PU = POLYURETHANE</p> <p>TF = TEFLON® PTFE</p> <p>TS = TEFLON® ENCAP. SILICONE</p> <p>TV = TEFLON® ENCAP. VITON®</p> <p>VT = VITON®</p> <p>WF = WIL-FLEX™</p>

Sample — M8/SY/TF/TF/ST

Model / Construction / Diaphragms / Ball Valves / Valve Seats (O-Ring)

	M 8	/	S Y	/	TF	/	TF	/	S T
1	B — Alloy-fitted aluminum	A	—SN pump with stand (SA)	BN	—Buna-N®	BN	—Buna-N®	AB	—Aluminum/(Buna®)
2	F — Footed	A	—OO pump with aluminum center block (OA)	FG	—Sani-Flex Hi-temp	FG	—Sani-Flex™Hi-temp	AD	—Aluminum/(Nordel®)
4	H — Hastelloy C	B	—SG pump with stand (SB)	HY	—Hypalon	HY	—Hypalon	AG	—Aluminum/(Sanitary)
8	K — PVDF	B	—BO or BT pump with aluminum center block (OB, TB)	NE	—Neoprene	NE	—Neoprene	AP	—Aluminum/(Polyurethane)
15	O — Aluminum/Steel	C	—Coated hardware (PC, KC, UC)	ND	—Nordel®	ND	—Nordel®	AT	—Aluminum/(Teflon®)
	P — Polypropylene	F	—Footed	PU	—Polyurethane	PU	—Polyurethane	BN	—Buna-N®
	S — 316 S.S.	G	—Bead blasted (316 S.S.)tri-clamp manifolds, electrolessnickel-plated center section (SG)	TF	—Teflon®	TF	—Teflon®	CS	—Mild Steel/(Teflon®)
	T — Teflon® diaphragm	H	—Male non-threaded connections (UH)	VT	—Viton®	VT	—Viton®	FG	—Sani-Flex™Hi-temp
	U — Teflon® PFA	J	—Electroless nickel-plated center section (HJ, SJ)					HB	—Hastelloy/(Buna-N®)
	W — Cast iron	2K	—Coated hardware, PVDF construction, Teflon® diaphragm (KK)					HD	—Hastelloy/(Nordel®)
		N	—Bead blasted (316 S.S.)tri-clamp manifolds, electrolessnickel-plated center section, Teflon® diaphragm (SN)					HG	—Hastelloy/(Sanitary)
		O	—Aluminum/Steel, poly., brass					HT	—Hastelloy/(Teflon®)
		P	—Sanitary pump (316 S.S.),wetted/non-wetted (SP)					HP	—Hastelloy/(Polyurethane)
		P	—Coated hardware (PP, UP)					HY	—Hypalon
		¹ S	—Stainless steel clamp bands (WS)					KB	—PVDF/(Buna-N®)
		S	—316 Stainless steel air section (SS)					KP	—PVDF/(Polyurethane)
		T	—Teflon® diaphragm (ST, HT, OT)					KT	—PVDF/(Teflon®)
		T	—TO pump with aluminum center block (OT)					NE	—Neoprene
		V	—316 S.S., Teflon® diaphragm(SV, HV, PV, KV)					ND	—Nordel®
		W	—Cast iron, poly., brass, steel					PB	—Polypropylene/(Buna-N®)
		³ X	—SS pump with S.S. air valve (SX)					PP	—Polypropylene/(Polyurethane)
		Y	—Cast iron, Teflon® diaphragm (SY)					PT	—Polypropylene/(Teflon®)
		³ Z	—SV pump with S.S. air valve (SZ)					PU	—Polyurethane

Sample — M8/SY/TF/TF/ST

Wilden model M8; construction of 316 Stainless Steel wetted parts, cast iron/polypropylene non-wetted parts with Teflon®diaphragms, diaphragm material of Teflon®, ball valve materialof Teflon®, valve seat material of stainless steel and valve seat o-ring of Teflon®.

¹Designation for cast iron only. Sample — **M8/WS**.

²Designation for M1, M2, M4 and M8 Champ pumps.

³Designation for M8 and M15 pumps only.

Wilden® is a registered trademark of Wilden Pump & Engineering, LLC