

- 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
XHSxs = HIGH PRESSURE - SIMPLEX TYPE
P = PRO-FLO®
PS = PRO-FLO® SHIFT
T = TURBO-FLO™
V = VELOCITY
- MODEL SIZE**
CLAMPED METAL AND PLASTIC (ORIGINAL)
.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
I = POWDER-COATED
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 [Hytrel®]
ZWS = WIL-FLEX™, EZ-INSTALL [Santoprene®]
INTEGRAL PISTON DIAPHRAGMS (IPD)
FULL-STROKE
FWL = FULL-STROKE SANITARY WIL-FLEX™ IPD [Santoprene®]
SSL = FULL-STROKE SANIFLEX™ IPD [Hytrel®]
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™
EPU = 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 [Hytrel®]
FSS = SANIFLEX™ [Hytrel®]
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
Hytrel (Saniflex™)	56	Cream	Solid Cream Diaphragm
Hytrel Non Food Grade (Saniflex™)	46	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™ [Hytrel® (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™ [Hytrel® (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™ [Hytrel® (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™ [Hytrel® (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

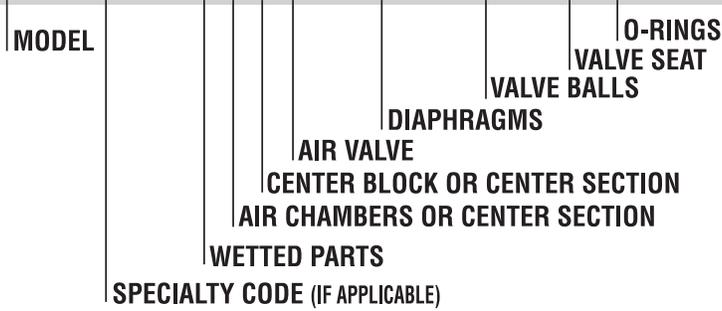
AIR REGULATOR BODY

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

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

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

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.

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