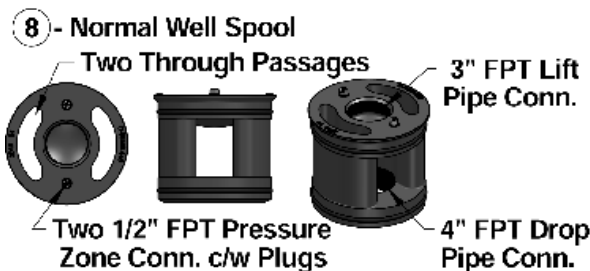
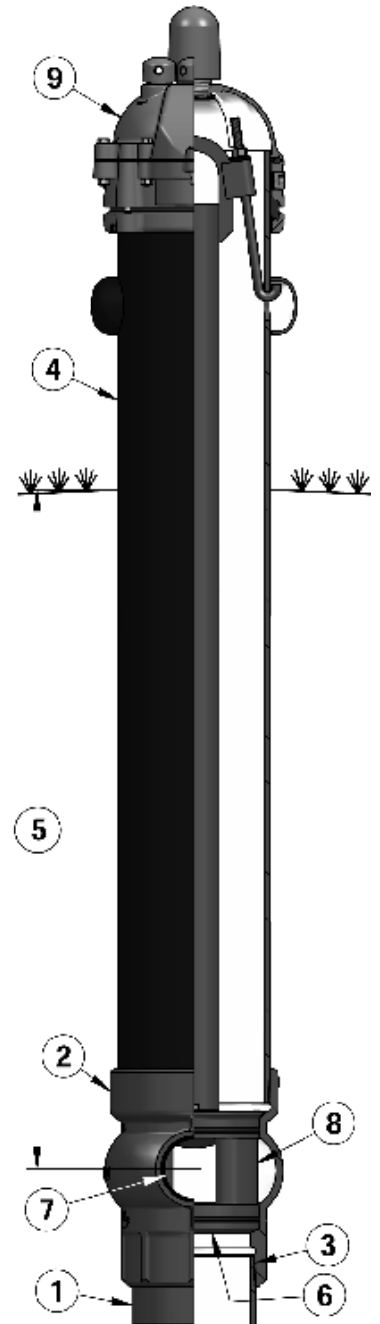


REQUEST FOR QUOTATION

8" WELL CASING x 4" FPT DROP PIPE INDUSTRIAL PITLESS UNIT

COMPANY:		DATE:
CONTACT NAME:		JOB REF:
ADDRESS:		
CITY:	PROVINCE/STATE:	POSTAL CODE/ZIP:
PHONE:	FAX:	
E-MAIL:		# OF UNITS:

PART	DESCRIPTION	FIG.
P	Pitless Unit for Submersible Pump	
08	Well Casing Size	1
	Material:	2
	Material = D (Ductile Iron) or S (Stainless Steel)	
W	Well Casing Connection = W (Weld Nipple, Hand Tightened Only) as standard option, can be removed to make a FPT Connection.	3
	Upper Barrel Type:	4
	- B (Black Painted Steel) Standard/Schedule 40 0.365" wall - I (Black Painted Steel) with Isolation Flanges Suggested option for connecting a stainless steel pitless discharge housing to steel upper barrel / well casing to eliminate contact of dissimilar metals and galvanic corrosion.	
	- S (304 Stainless Steel) Schedule 20 0.25" wall - H (304 Stainless Steel) Standard/Schedule 40 0.365" wall - P (PVC) Schedule 40 0.365" wall	
	Supplied with Hold-Down Hook / Torque Arrestor Assemblies	
	Bury Depth = in feet 3, 4, 5, 6, 7, 8, 9, 10	5
F	Drop Pipe Connection - Female NPT (FPT) as standard option	6
4	Drop Pipe Size - 4" standard option	6
	Material:	
F	Discharge Connection - Female NPT (FPT) as standard option	7
4	Discharge Size - 4" standard option	7
	Material:	
	Well / Spool Type:	8
	- N (Normal Well) - Open Through Passage Spool - F (Flowing Well) - Closed Spool with Tapings for Cable Seals	
	Well Cap:	9
	- C (Cast Iron) as standard option (PN: WTCL-C10) - N (No Cap)	



All Flowing Well Spools are 304 Stainless Steel

See page 3 for further details.

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	PART NAME	FIG.	DESCRIPTION	QTY.
WELL CASING transition from 8" FPT	FL-DIQC-080	2	8" Ductile Iron Quick Connect Flange (EBAA #2108 MEGA Flange)	
	FL-FSM-080	1	8" MPT x 13-1/2" O.D. F.S. Flange / Sch. 40 Weld Nipple Assembly (5-1/4" L.)	
	FL-FSSW-080	3	8" SLIP x 13-1/2" O.D. F.S. Class 150 Flange	
	FL-SS304M-080	1	8" MPT x 13-1/2" O.D. 304 S.S. Flange / Sch. 40 Weld Nipple Assembly (5-1/4" L.)	
	FL-SS304SW-080	3	8" SLIP x 13-1/2" O.D. 304 S.S. Class 150 Flange	
	854-080	4	8" Slip x 13-1/2" O.D. PVC Class 150 Flange	
	IPA-DG08	5	8" x 13-1/2" O.D. Durlon Class 150 Gasket	
	IPA-SSBK08	6	8" S.S. Class 150 Bolt Kit (8) 3/4"-10NC x 3-1/2" L. Bolts c/w Nuts & Washers	
	IPA-IK08	7	8" Class 150 Flange Isolation Kit	
	GN-8060	15	8" x 6" Sch. 40 Galvanized Nipple	
	SS304N-8060	15	8" x 6" Sch. 40 304 S.S. Nipple	
DROP PIPE transition from 4" FPT to...	435-080	8	8" FPT x 8" Slip PVC Female Adapter	
	GN-40120	15	4" x 12" Sch. 40 Galvanized Nipple	
	GHN-40120	15	4" x 12" Sch. 80 Galvanized Nipple	
	GHSWN-4020	12	4" MPT x 2" MPT x 9" L. Sch. 80 Zinc Plated Swage Nipple	
	IPGHR-4030	13	4" FPT x 3" FPT x 9" L. Heavy Duty Zinc Plated Reducing Coupling	
	IPGHR-6040	13	6" FPT x 4" FPT x 12" L. Heavy Duty Zinc Plated Reducing Coupling	
	<i>All Flowing Well Spools are 304 Stainless Steel, Stainless or PVC Drop Pipe Recommended to Avoid Dissimilar Metals.</i>			
	SSH304N-40120	15	4" x 12" Sch. 80 304 Stainless Steel Nipple	
	SSH304SWN-4020	12	4" MPT x 2" MPT x 9" L. Sch. 80 304 S.S. Swage Nipple	
	IPSSH304RC-4030	13	4" FPT x 3" FPT x 9" L. Heavy Duty 304 S.S. Reducing Coupling	
	IPSSH304RC-6040	13	6" FPT x 4" FPT x 12" L. Heavy Duty 304 S.S. Reducing Coupling	
DISCHARGE transition from 4" FPT to...	GHN-40120T	9	4" x 12" Sch. 80 Galvanized T.O.E. Nipple	
	MJ-DIQC-040	10	4" (4-1/2" O.D.) x 12" Ductile Iron M.J. Coupling (FORD #FC3-450-12-P)	
	GHSWN-4020	12	4" MPT x 2" MPT x 9" L. Sch. 80 Zinc Plated Swage Nipple	
	IPGHR-4030	13	4" FPT x 3" FPT x 9" L. Heavy Duty Zinc Plated Reducing Coupling	
	IPGHR-6040	13	6" FPT x 4" FPT x 12" L. Heavy Duty Zinc Plated Reducing Coupling	
	GHN-4060	15	4" x 6" Sch. 80 Galvanized Nipple	
	FL-FST-020	14	2" FPT X 6" O.D. F.S. Class 150 Threaded Flange	
	FL-FST-030	14	3" FPT X 7-1/2" O.D. F.S. Class 150 Threaded Flange	
	FL-FST-040	14	4" FPT X 9" O.D. F.S. Class 150 Threaded Flange	
	FL-FST-060	14	6" FPT X 11" O.D. F.S. Class 150 Threaded Flange	
	SS304N-40120T	9	4" x 12" Sch. 80 304 S.S. T.O.E. Nipple	
	MJ-SS304QC-040	11	4" (4-1/2" O.D.) x 11.70" 304 S.S. M.J. Coupling (ROBAR MODEL#1696-2B)	
	SSH304SWN-4020	12	4" MPT x 2" MPT x 9" L. Sch. 80 304 S.S. Swage Nipple	
	IPSSH304RC-4030	13	4" FPT x 3" FPT x 9" L. Heavy Duty 304 S.S. Reducing Coupling	
	IPSSH304RC-6040	13	6" FPT x 4" FPT x 12" L. Heavy Duty 304 S.S. Reducing Coupling	
	SSH304N-4060	15	4" x 6" Sch. 80 304 S.S. Nipple	
	FL-SS304T-020	14	2" FPT X 6" O.D. 304 S.S. Class 150 Threaded Flange	
	FL-SS304T-030	14	3" FPT X 7-1/2" O.D. 304 S.S. Class 150 Threaded Flange	
	FL-SS304T-040	14	4" FPT X 9" O.D. 304 S.S. Class 150 Threaded Flange	
	FL-SS304T-060	14	6" FPT X 11" O.D. 304 S.S. Class 150 Threaded Flange	
	852-020	14	2" FPT X 6" O.D. PVC Class 150 Threaded Flange	
	852-030	14	3" FPT X 7-1/2" O.D. PVC Class 150 Threaded Flange	
	852-040	14	4" FPT X 9" O.D. PVC Class 150 Threaded Flange	
	852-060	14	6" FPT X 11" O.D. PVC Class 150 Threaded Flange	
	IPA-DG02	5	2" x 6" O.D. Durlon Class 150 Gasket	
	IPA-DG03	5	3" x 7-1/2" O.D. Durlon Class 150 Gasket	
	IPA-DG04	5	4" x 9" O.D. Durlon Class 150 Gasket	
	IPA-DG06	5	6" x 11" O.D. Durlon Class 150 Gasket	
	IPA-SSBK02	6	2" S.S. Class 150 Bolt Kit (4) 5/8"-11NC x 2-3/4" L. Bolts c/w Nuts & Washers	
	IPA-SSBK03	6	3" S.S. Class 150 Bolt Kit (4) 5/8"-11NC x 3" L. Bolts c/w Nuts & Washers	
	IPA-SSBK04	6	4" S.S. Class 150 Bolt Kit (8) 5/8"-11NC x 3" L. Bolts c/w Nuts & Washers	
	IPA-SSBK06	6	6" S.S. Class 150 Bolt Kit (8) 3/4"-10NC x 3-1/2" L. Bolts c/w Nuts & Washers	
	IPA-IK02	7	2" Class 150 Flange Isolation Kit	
	IPA-IK03	7	3" Class 150 Flange Isolation Kit	
	IPA-IK04	7	4" Class 150 Flange Isolation Kit	
	IPA-IK06	7	6" Class 150 Flange Isolation Kit	
WELL CAP & OTHER ACCESS.	WCPNP	21	Aluminum Personalized Name Plate (See Pg.75 of Ind. Pitless Booklet)	
	WTCL-CLP	16	S.S. Locking Pins for Accessory Ports (See Pg.75 of Ind. Pitless Booklet)	
	WSVK05-12	17	1/2" MPT Water Sampling Valve Kit (See Pg.80 of Ind. Pitless Booklet)	
	WCDTK	20	Depth Tester Kit (See Pg.82 of Ind. Pitless Booklet)	
	WTCL-CS40-187-4	17	4" Conduit Cable Seal 0.087" - 0.187" O.D. (See Pg.84 of Ind. Pitless Booklet)	
	WTCL-CS40-312-4	17	4" Conduit Cable Seal 0.187" - 0.312" O.D. (See Pg.84 of Ind. Pitless Booklet)	
	WTCL-CS40-437-4	17	4" Conduit Cable Seal 0.312" - 0.437" O.D. (See Pg.84 of Ind. Pitless Booklet)	
	WTCL-CS40-563-4	17	4" Conduit Cable Seal 0.437" - 0.563" O.D. (See Pg.84 of Ind. Pitless Booklet)	
	WTCL-CS40-700-4	17	4" Conduit Cable Seal 0.563" - 0.700" O.D. (See Pg.84 of Ind. Pitless Booklet)	
	WTCL-CA40-2010	18	4" MPT x 2" FPT & 1" FPT Conduit Adapter (See Pg.85 of Ind. Pitless Booklet)	

ALL FITTINGS & ACCESSORIES ARE OPTIONAL & QUOTED SEPARATELY

8" WELL CASING x 4" FPT
DROP PIPE INDUSTRIAL
PITLESS UNIT



ALL CABLE SEALS / BUSHINGS ARE OPTIONAL & QUOTED SEPARATELY

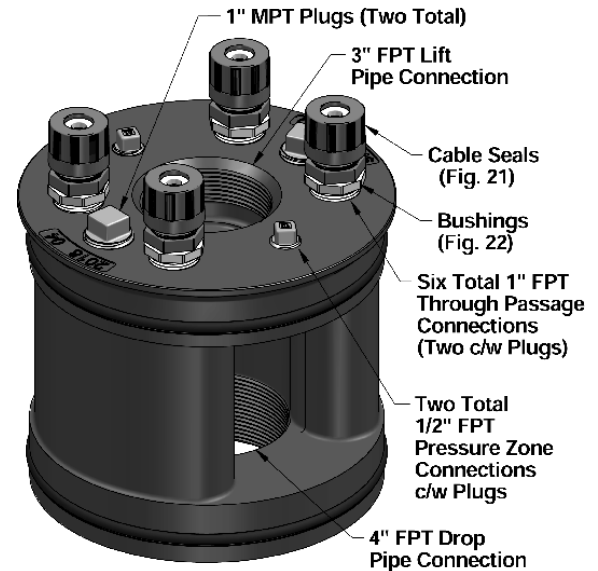
8" WELL CASING x 4" FPT DROP PIPE INDUSTRIAL PITLESS UNIT

NOTE: THIS PAGE IS ONLY APPLICABLE IF YOU HAVE SELECTED A TYPE "F" FLOWING WELL PITLESS UNIT!

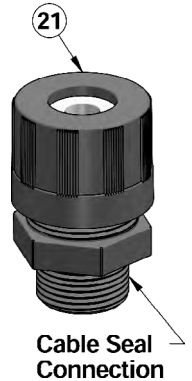
8" Flowing Well Spools have six 1" FPT through passage tapings. Two are supplied with 1" plugs which can be discarded if additional sensors wires are being installed through the 5th and 6th ports.

Typically, four spool cable seals are required for common three wire pump installations using four Wire Pump Cable (sometimes referred to as 3 CONDUCTOR (BRY) with GROUND (G). The Spool Cable Seals are sold separately (see page 78 of the Industrial Pitless Catalogue for full details and installation instructions)

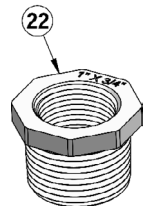
CAUTION: Always verify cable O.D. with pump cable suppliers, pay close attention to the green ground wire O.D. as the pump cable may or may not have a reduced wire gage for the ground wire requiring a different cable seal for the ground than used for the conductors. The 0.062" to 0.187" cable seal is only available with a 1/2" MPT connection and therefore requires a different reducer bushing as detailed in the chart below.



Part Number	FIG.	Cable Seal Connection	Cable Dia Range (Inch)		Grommet Colour	US Pump Cable		CAN Pump Cable	QTY.
			Min.	Max.		PVC Insulation	PVC Insulation / Nylon Jacket	TWU-40C PVC Insulation	
		GA GAUGE - (Stands) - Insulation O.D.							
IPA-CS05-0612	21	1/2" MPT	0.062	0.125	Black		14(1) 0.105" 14(19) 0.112" 12(1) 0.122"		
IPA-CS05-1218		1/2" MPT	0.125	0.187	Yellow	14(1) 0.157" 14(7) 0.168" 12(1) 0.174" 12(19) 0.186"	12(19) 0.130" 10(1) 0.153" 10(19) 0.164"		
439-130	22	1" MPT x 1/2" FPT PVC Bushing			Each 1/2" MPT Spool Cable Seal ordered will also require one 439-130 PVC Reducing Bushing for installation				



IPA-CS07-1825	21	3/4" MPT	0.187	0.250	Orange	10(1) 0.195" 10(19) 0.218"	8(19) 0.220"	14(1) 0.187" 14(7) 0.196" 12(1) 0.205" 12(7) 0.216" 10(1) 0.226" 10(7) 0.237"	
IPA-CS07-2537		3/4" MPT	0.250	0.375	Gray	8(19) 0.269" 6(19) 0.310" 4(19) 0.361"	6(19) 0.256" 4(19) 0.325" 3(19) 0.353"	8(1) 0.311" 6(7) 0.348"	
IPA-CS07-3743		3/4" MPT	0.375	0.437	Green	2(19) 0.423"	2(19) 0.386"	4(7) 0.396" 3(7) 0.426"	
IPA-CS07-4356		3/4" MPT	0.437	0.562	Black	1(19) 0.480" 1/0(19) 0.520"	1(19) 0.443" 1/0(19) 0.484" 2/0(19) 0.529"	2(7) 0.458" 1(7) 0.529" 1/0(19) 0.570"	
IPA-CS07-5062		3/4" MPT	0.500	0.625	Gray	2/0(19) 0.560" 3/0(19) 0.610"	3/0(19) 0.579"	2/0(19) 0.618"	
IPA-CS07-6275		3/4" MPT	0.625	0.750	Orange	4/0(19) 0.670"	4/0(19) 0.635"	4/0(19) 0.728"	
439-131	22	1" MPT x 3/4" FPT PVC Bushing			Each 3/4" MPT Spool Cable Seal ordered will also require one 439-131 PVC Reducing Bushing for installation				



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DIAMETER & LENGTH CONVERSION CHARTS

Pipe is identified by “nominal” size related only loosely to actual dimensions. Inch pipe products are called NPS or “nominal pipe size” and their metric equivalents are called DN or “diameter nominal”. The metric designations conform to International Standards Organization (ISO) usage and apply to all plumbing piping.

NOMINAL PIPE SIZE CONVERSION TO METRIC SIZE					
mm	inch	mm	inch	mm	inch
3.2	1/8"	50	2"	200	8"
6.4	1/4"	65	2-1/2"	250	10"
9.5	3/8"	80	3"	300	12"
15	1/2"	90	3-1/2"	350	14"
20	3/4"	100	4"	400	16"
25	1"	115	4-1/2"	450	18"
32	1-1/4"	125	5"	500	20"
40	1-1/2"	150	6"		

➤ for larger pipe use 25 mm = 1"

METRIC TO IMPERIAL LENGTH								
metre	inch	feet	metre	inch	feet	metre	inch	feet
			2.0	78.7"	6.6	4.0	157.5"	13.1
0.1	3.9"	0.3	2.1	82.7"	6.9	4.1	161.4"	13.5
0.2	7.9"	0.7	2.2	86.6"	7.2	4.2	165.4"	13.8
0.3	11.8"	1.0	2.3	90.6"	7.5	4.3	169.3"	14.1
0.4	15.7"	1.3	2.4	94.5"	7.9	4.4	173.2"	14.4
0.5	19.7"	1.6	2.5	98.4"	8.2	4.5	177.3"	14.8
0.6	23.6"	2.0	2.6	102.4"	8.5	4.6	181.1"	15.1
0.7	27.6"	2.3	2.7	106.3"	8.9	4.7	185.0"	15.4
0.8	31.5"	2.6	2.8	110.2"	9.2	4.8	189.0"	15.7
0.9	35.4"	3.0	2.9	114.2"	9.5	4.9	192.9"	16.1
1.0	39.4"	3.3	3.0	118.1"	9.8	5.0	196.9"	16.4
1.1	43.3"	3.6	3.1	122.0"	10.2	5.1	200.8"	16.7
1.2	47.2"	3.9	3.2	126.0"	10.5	5.2	204.7"	17.1
1.3	51.2"	4.3	3.3	129.9"	10.8	5.3	208.7"	17.4
1.4	55.1"	4.6	3.4	133.9"	11.2	5.4	212.6"	17.7
1.5	59.1"	4.9	3.5	137.8"	11.5	5.5	216.5"	18.0
1.6	63.0"	5.2	3.6	141.7"	11.8	5.6	220.5"	18.4
1.7	66.9"	5.6	3.7	145.7"	12.1	5.7	224.4"	18.7
1.8	70.9"	5.9	3.8	149.6"	12.5	5.8	228.3"	19.0
1.9	74.8"	6.2	3.9	153.5"	12.8	5.9	232.3"	19.4

➤ Meters to Inches - Multiply by X 39.3701

➤ Meters to Feet - Multiply by X 3.28084



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