

## Order Information

04-7778 -

### Indicator Assembly

Indicator Option	Part Number
0 = Flag with Manual Reset	04-3150-0000
1 = Electrical with Auto Reset	04-3151-0000
2 = Flag/Electrical combined	04-3152-0000

### Shaft Assembly

Shaft Option	Part Number

### Plug Assembly

Plug Assembly Option	Part Number
0 = Unidirectional, Brass	04-3051-000X
5 = Bidirectional, Brass	04-3753-000X
2 = Unidirectional, 316 SST	04-3052-000X
7 = Bidirectional, 316 SST	04-3754-000X

Note: The last digit of the plug assembly corresponds to O-ring material option.



# PIG-SIG® IV Scraper Passage Indicators

XXXX - Suffix \*

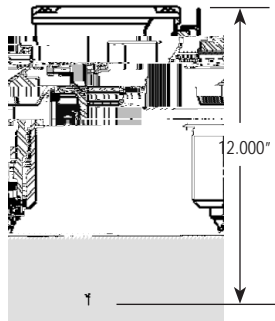
### O-Ring Material

Material Option	Part Number
0=Buna-	00-6381-0000-00
1=Buna-N (Low Temp)	00-6381-0000-01
2=Neoprene	00-6381-0000-02
3=Viton	00-6381-0000-03
5=EPDM	00-6381-0000-05
6=Kalrez	00-6381-0000-06
8=Viton GF	00-6381-0000-08
A=Viton AED	00-6381-0000-0A

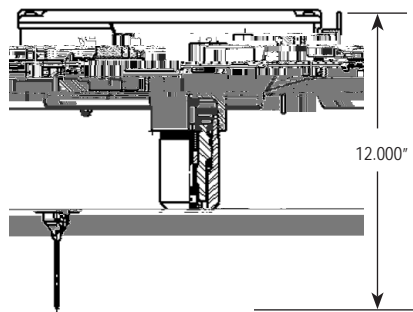
### "SUFFIX" Pipe Size

Pipe Size	Pipe Wall Thickness	Length	Suffix
6" & Up	.250 to .500	4.000	-51
6" & Up	.501 to .750	3.750	-52
6" & Up	.751 to 1.000	3.500	-53
6" & Up	1.001 to 1.250	3.250	-54
6" & Up	1.251 to 1.500	3.000	-55
6" & Up	1.501 to 1.750	2.750	-56
6" & Up	.125 to .249	4.250	-64
4"	.189 to .375	4.125	-01
4"	.125 to .188	4.250	-03
5"	.189 to .375	4.125	-12
5"	.125 to .188	4.250	-13
5"	.563 to .750	3.750	-20
Less Nipple			-99

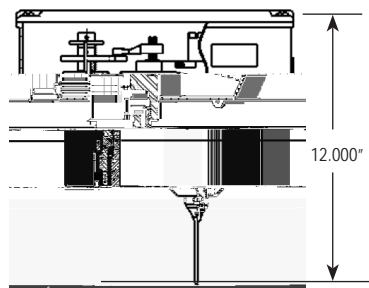
Final Assembly  
With Flag Indicator



Final Assembly  
With Flag/ Electrical Indicator

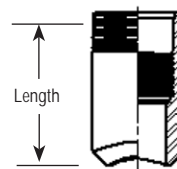


Final Assembly  
With Electrical Indicator

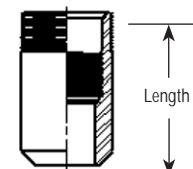


\* Please indicate if protection for environmentally harsh conditions is required.

5" & Smaller Pipe



6" & Larger Pipe



THREAD-O-RING™ Nipple part number:  
00-1023-0333-SUFFIX

### Example: 04-7778-0123-51

is a PIG-SIG with a flag indicator, 12" extended shaft, unidirectional 316 SST Plug, and Viton O-rings for 6" and larger pipe with .250" to .500" wall.



# PIG-SIG® IV Scraper Passage Indicators

## THREAD-O-RING™ Nipple Material

Size & Grade:	2 NPS XXS ASTM A 333 Grade 6 seamless steel pipe
Tensile Requirements:	35,000 psi SMYS - 60,000 psi SMTS
Impact Requirements:	13 ft-lbf min Avg 3 Specimens 10 ft-lbf min One Specimen Only
	Impact Temperature -50° F
Chemical Requirements:	Composition, % - Carbon 0.30 max, Manganese 0.29-1.06, Phosphorus 0.025 max, Sulfur 0.025 max, Silicon 0.10 min
Test Report:	Certified Test Reports furnished per ASTM A 530

## Pressure Temperature Ratings Pressures are in pounds per square inch, gage (psig). Temperatures are in Fahrenheit.

Piping Code Temp. °F	B31.3	B31.4 F=.72	F=.72	B31.8 F=.60	F=.50	F=.40
-50	3159					
-20 to 250	3159	3743	3743	3120	2600	2080
300	3159		3620	3017	2514	2011
350	3159		3493	2911	2425	1940
400	3159		3369	2808	2340	1872
450	3072		3246	2246	1872	1497
500	2985					

**Pressure Temperature Ratings** Pressures are in bar. Temperatures are in Celsius.

Piping Code Temp. °C	B31.3	B31.4		B31.8		
		F=.72	F=.72	F=.60	F=.50	F=.40
-46	218					
-29 to 116	218	258	258	215	179	143
149	218		250	208	173	139
177	218		241	201	167	134
204	218		232	194	161	129
262	212		224	155	129	103

Pressures do not include allowance for corrosion. O-Ring material selection must be suitable for service fluids and temperature requirements.

**Recommended Spare Parts List**

Component	Quantity/Assembly	Quantity/Spares*	Part Number
Trigger, Bidirectional	1	1	04-3633-0000-00
Trigger, Unidirectional	1	1	00-0612-0001-00
Trigger Pin	1	1	00-1598-0003-00
Gear, Uni-Directional	1	1	00-1050-0003-00
Gear, Bi-Directional	1	1	00-1050-0004-00
Pin	1	1	00-0615-0005-00
Drive Sleeve	1	1	00-3394-0001-00
Back-up Ring	1	4	00-1586-0002-00
Reset Spring	2	2	00-1486-0008-00
Needle Thrust Bearing	1	1	00-3005-0013-00
Seal Kit	1	4	See O-Ring option

\* for start-up & 2 years service Under severe start-up and/or severe operating conditions additional maintenance is required.







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