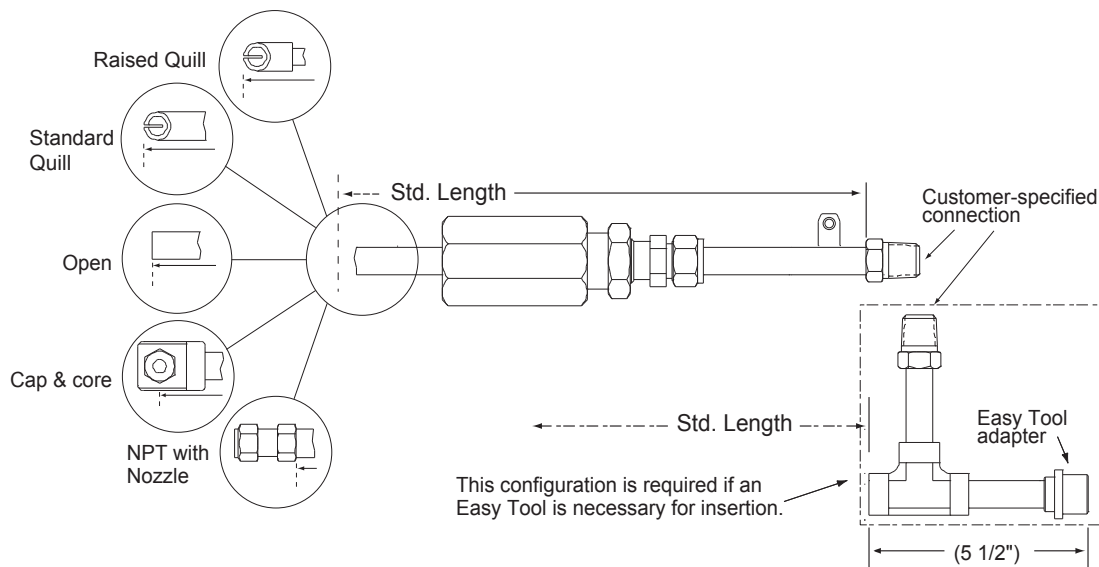


# Model IP4000

## Injection & Sampling System Retractable with Packing Gland



**Model IP4000** Injection & Sampling System is a retractable unit commonly used in field and plant applications. A specially designed packing gland is used with the unit for insertion into or retraction from a pressurized system without a process shutdown. The unit is designed to mount onto a 1" piping system, but can easily be adapted to fit your specific requirements. The unit assembly consists of a packing gland and an insertion rod with an injection/sampling fitting. The fitting, which is threaded or welded to the end of the rod, can be either a quill, open, cap & core, or nozzle assembly type. A safety chain is also provided to prevent blowout. In systems with pressure over 150 psi, an adaptor for the Easy Tool may be added to the unit. Standard packing material in the packing gland is Teflon<sup>®</sup>, however, grafoil packing can be provided for high temperature applications. Model IP4000 units are available in different lengths and materials.

### Specifications:

**Body** - 316 Stainless Steel

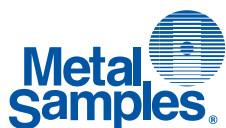
**Temperature Rating** - 500°F / 260°C - Teflon<sup>®</sup>  
850°F / 454°C - Grafoil

**Pressure Rating** - 2000 PSI / 138 Bar

**Mounting** - 1" Full Port Valve (Min.)

Std. Length	I.L. (max)
24"	16"
30"	22"
36"	28"
42"	34"

*The **Easy Tool** is required for probe insertion or retraction in systems with pressure over 150 pounds.*



#### Metal Samples Company

A Division of Alabama Specialty Products, Inc.

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Houston Office: 6327 Teal Mist Lane, Fulshear, TX 77441 Phone: (832) 451-6825

## IP4000 Ordering Information

Model						
IP45	Injection & Sampling System 1" NPT Female Thread, Packing Gland with Teflon®					
IP75	Injection & Sampling System 1" NPT Female Thread, Packing Gland with Grafoil					
IPB7	Injection & Sampling System 1-1/2 " NPT Male Swage Nipple (used with Head, Cap, Core)					
IP00	Injection & Sampling System Replacement Insertion Rod					
Mounting Material (Packing Gland & Rod)						
22	316					
44	C276					
Injection Tip Option						
000	N/A					
010	Quill (straight)					
020	Quill (raised)					
030	Open					
040	1/4" NPT (female) with nozzle*					
050	Head with cap and core (9/16")* -- Must use Swage Nipple.					
060	1/4" NPT (male) with nozzle*					
070	3/8" NPT (male) with nozzle*					
090	1/2" NPT (female) with nozzle*					
Tube Size						
1	3/8"					
2	1/2"					
3	5/8"					
Length						
24	16" max. insertion length					
30	22" max. insertion length					
36	28" max. insertion length					
42	34" max. insertion length					
Dry End Mount Options						
01	Blanked Off					
02	1/2" NPT					
03	3/4" NPT					
<b>IP45</b>	<b>22</b>	<b>010</b>	<b>2</b>	<b>24</b>	<b>02</b>	<b>Example of Probe Ordering #</b>

For alloys, sizes, or other special requirements not listed, contact our sales department.

\* Nozzles must be ordered separately.