



Introduction

PANAM[®] has emerged as renowned name in global market for Prefabricated Instrumentation Hook ups, Instrumentation Fittings & Valves. Since its inception in 1998 to present day, **PANAM**[®] has added new product every year and has broadened its product portfolio and its clientele base by supplying to potential customers worldwide. Key core values like Timely Delivery, Quality Consistency, Product Improvisation and After Sales Service has been instrumental in the phase wise evolution of company. Continuous improvement is the key to success, Customer feedback are taken with positive attitude and products are constantly upgraded to a new quality and performance level to cope up with the changing Industry requirements. Our products are known for providing high-quality, high-reliability, low-cost options for various industries Worldwide. Over the year, the company has evolved from a product based company to a complete system solution provider. **PANAM**[®] has built its reputation on inspired development, precision engineering and high quality with an emphasis on customer service that exceeds the expectations of industries worldwide.

PANAM[®] provides Sturdy & Compact Prefabricated Hook-ups for safe containment for measurement of flow, pressure & level. This Prefabricated Hook-ups are a convenient way of Eliminating / Reducing Impulse lines by using sandwich construction Valves. The primary isolation Valve comes with the option of Full / Reduced Bore Metal / Soft Seated Ball Valve, Gate Valve, Globe Valve, etc. as per customer requirements. In-house 3D Model and FEA Facility by a dedicated R&D Team produces the Prefabricated Instrumentation Hook-ups as per exact customer requirements. This reduces total engineering time, procurement and installation time of the project.

PANAM[®] offers Prefabricated Instrumentation Hook-ups in Stainless Steel, Alloy Steel and has the capacity to handle specific requirements with exotic materials.

PANAM[®] new manufacturing facility has given added technical ability and resources to rapidly develop custom products for the most demanding or unusual applications.

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General Information

Features

- Close Coupled Instrument mounting for optimum measurement performance.
- Eliminates impulse lines and minimises connections to improve overall instrument performance and reliability.
- Optimises the accuracy of measurement, by eliminating the long runs of tubing, bends and joints between process pipe and instrument that can cause pressure drops, and gauge/impulse line errors.
- Prefabricated 'Plug & Play' Instrument assemblies to reduce site work by 90%.
- Increased employee safety and low cost of ownership.
- Long Service Life, by using latest technology and best material with low maintenance.
- Manufacturing as per 3D models / PDMS drawings approved by client
- Each hook-up is individually packed as per Tag number
- Complete traceability-based compliance to Quality Control documents
- All Hook-ups can be supplied with Ultra Low Emission valve technology to meet with the ISO specification 15848, to comply with leakage rates 'A' or 'B'.

Technical Specifications

- Working Pressure Up to 6000 psi
- Temperature Range Up to 450°C
- Material SS 316
- Isolation Valve Needle Valve, Ball Valve & DBB
- Process Connections Inlet 1/2" to 2"
- Instrument Connection Outlet 1/2" NPT Male & Female

Testing

- Material Tests
- Dimensional Tests
- Hydrotest
- Seat Leakage Tests
- Performance Test
- Vibration Tests (On request)
- NDT (DPT, Radiography etc. On request)
- Helium Leak Test (on request)

Application

- Oil & Gas Industry
- Chemical & Petrochemical Industry
- Pharmaceutical Industry
- Food & Beverage Industry
- Water & Wastewater Industry
- Power Industry etc.



Traditional Method V/S Smart Instrument Hook-ups

Traditional Method

This traditional solution uses two sets of valve assemblies to create the double block and bleed valves, which are connected with impulse lines and fittings to the instrument manifold. It involves numerous discrete components, with all the associated costs and assembly time, and introduces bends that cause attenuation and turbulence that can affect measurement accuracy. If not carefully specified, other measurement accuracy problems can arise from differences in bore diameters of the various components, and unequal lengths of tubing.



Smart Instrument Hook-ups

- Short and straight flow path to instrument from the process, increases measurement accuracy.
- Integration of the manifold in to double block and bleed valve, eliminates numerous leak paths.
- No hook-up drawings or Bill of Materials are required to create smart instrument hook-up.
- Assembly takes only minutes compared to hours with a conventional impulse line system.
- Low maintenance system, which is very easy to maintain if required.
- Smaller and lighter assembly prevents less stress on the pipework.

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Prefabricated Hook-ups for Pressure Measurement



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Ordering Information

		P	PFH-PG-15	-SW3K-BV-	2VM-TB-SS-
PANAM [®]					
Prefabricated Hook-	Ups				
Гуре					
PG - Pressure Gaug DPG - Differential Pr DS - Diaphragm Se PT - Pressure Tran DPT - Differential Pr LT - Level Transmi	essure Gauge eal smitter essure Transmitter	r / Flow Transmitters			
nlet Size (Process					
15 - 1/2" 25 20 - 3/4" 32	- 1" 40 - 1-1/4" 50	- 1-1/2" - 2"			
nlet Connection Ty	pe (Process)				
300RF/RTJ - Flang 600RF/RTJ - Flang 900RF/RTJ - Flang 1500RF/RTJ - Flang 2500RF/RTJ - Flang 150RF/RTJ - Flang	ged End 600RF/RT. ged End 900RF/RT. ged End 1500RF/R ged End 2500RF/R	J BW3K - Butt V J NM - NPT (FJ SW6K - Sock FJ BW6K - Butt V	et Weld 3000 psi Weld 3000 psi (Male) et Weld 6000 psi Weld 6000 psi		
Primary Valve					
BV - Ball Valve DBB - Double Block SBB - Single Block BB - Block & Blee 2VM - 2 Valve Man	<pre> & Bleed ST & Bleed DB & Bleed SB d SB </pre>	BCBV - Stabilizer Con BCNV - Stabilizer Con B51 - Double Block B51 - Single Block - Needle Valve	nnector with Neec < & Bleed Mono Fl & Bleed Mono Fla	lle Valve ange Type	
Secondary Valve					
- None 2VM - 2 Valve Man		3 Valve Manifold Ball Valve	NV - Needle 5VM - 5 Valve		
Instrument Conne	ection				
		H - H Type HA - H Type	Manifold (IEC 615 Manifold (MSS SI Manifold (IEC 615 Manifold (IEC 615	P-99) 508-A)	- 11
Material					
SS - SS 316					
Option					
A - Angle Patter DC - Open Canop CC - Close Canop SY1 - Syphon Tub	у ру	CT5 - Cooling	emperature		
Customized prefabricated	hookups with other ma	erials and configurations are	e available on request		

Notes

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Other Products



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