

JPE



GENERAL CATALOG



**TURN PRESSURE
INTO POWER**





FITTINGS A

Instrument Tube Fittings **A1**

Pipe Fittings **A2**

Bleed Valves **A3**

Flange Adapters **A4**

JIC 37° (AN) Flare End Fittings **A5**

Pneumatic Fittings **A6**

Medium Pressure Cone and Thread Fittings **A7**

VMS Metal Gasket Face Seal Fittings **A8**



FILTERS B



QUICK COUPLINGS C

NL Series For Low Pressure, Single Valve Type **C1**

KS Series For Middle & Low Pressure, Twin Valve Type **C2**

NS Series For Non-spill Flat Face Quick Coupling **C3**

QC Series For Middle & Low Pressure, Twin Valve Type **C4**

CL Series Quick Couplings For Low Pressure **C5**

INDEX

VALVES D

Instrument Ball Valves	D1
Check Valves	D2
Instrument Needle Valves	D3
Metering Valves	D4
Rising Plug Valves	D5
Gauge Valves	D6
Bleed Valves	D7
Proportional Relief Valves	D8
Valve Manifolds	D9
Monoflanges	D10
Process Valves	D11
Double Block & Bleed Valves	D12
Cryogenic Pressure Regulators	D13
Pressure Reducing Regulators	D14



SAMPLING SYSTEMS E

Sampling Devices	E1
Sampling Bottles	E2



HOSES & TUBES F

Stainless Steel Seamless Tubing	F1
Stainless Steel Flexible Hoses	F2
PU Hoses & PU Spiral Hoses	F3
PTFE Hoses	F4
PFA Hoses	F5
Stainless Steel Braided Teflon Hoses	F6
Polyurethane Nylon Braided Hoses	F7
PVC Fiber Reinforced Hoses	F8



AIR DISTRIBUTION MANIFOLDS G



OTHERS H

Condensers	H1
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FITTINGS

PRODUCT FEATURE

JPE Fittings provide a leak-proof, torque-free seal at all tube connections to ensure the safety on the instrumentation, process and control systems and eliminate costly, hazardous leaks in instrumentation and process tube.

JPE Fittings are easily installed with no special tools required. All the action in the fitting assembling moves along the tube axially instead of with a rotary motion. Therefore, during installation, there will be no torque to the tube system; and the initial tension in tube system can be also eased. Total system design must assure the safety, trouble-free performance, material compatibility, adequate ratings, proper installation and inspected by gap gauge to assure tighten completely in first installation. Operation and maintenance are the responsibilities of the system designer and user.

To assure reliable performance, JPE Fittings are composed of four precision-made components: Nut, Back Ferrule, Front Ferrule and Body. The consistency and quality of these matched components has permitted their use in many difficult and severe devices. In addition, JPE Nuts are silver plated and easy to install with minimum torque. Each product carved with size and tracing code.

JPE Fittings follow and comply the standard of ASTM F1387. During the testing, the products are going under stringent force and tough environment for repetitively assembly and disassembly in order to ensure perfect quality and performance.

INSTRUMENT TUBE FITTINGS



PRODUCT INFORMATION

- Size: 1/16"~1", 3mm~25mm
- Material available with stainless steel, brass, and alloy
- Silver plated nuts, reduce torque and easy to install
- Each fitting carved with size and tracing code

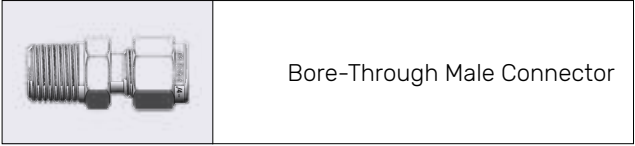
THREAD SPECIFICATION

THREAD TYPE	SPECIFICATION
PT(BSPT)	BS EN 10226-1 / JIS B0203 / ISO 7-1
NPT	ASME B1.20.1 / SAE AS71051
G	JIS B0202 / ISO 228

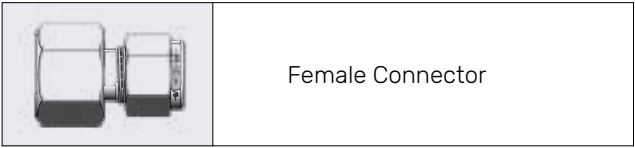
TYPE



Male Connector



Bore-Through Male Connector



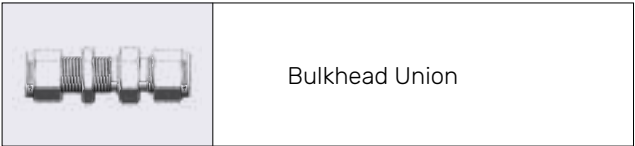
Female Connector



Equal Union



Reducing Union



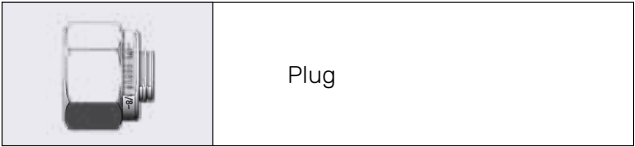
Bulkhead Union



Bulkhead Male Connector



Bulkhead Female Connector



Plug



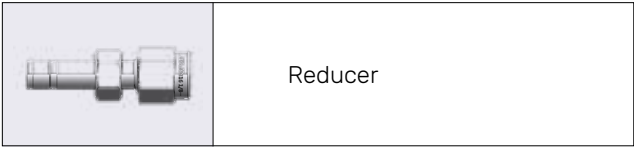
Cap



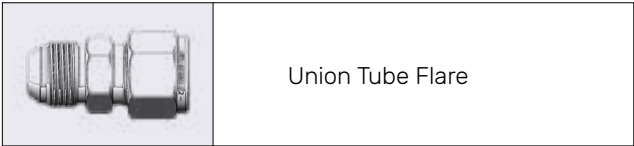
Socket Weld Union



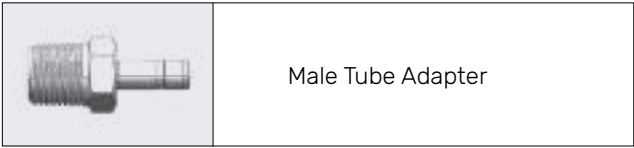
Butt Weld Union



Reducer



Union Tube Flare



Male Tube Adapter



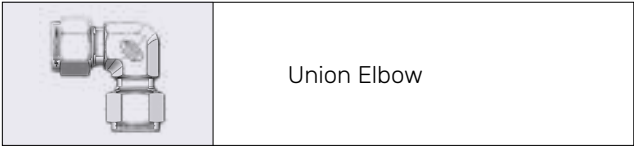
Female Tube Adapter



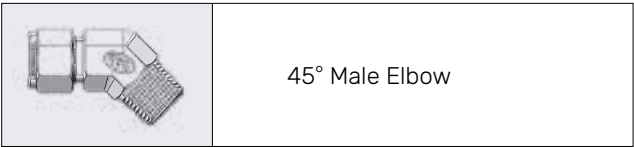
Male Elbow



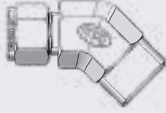
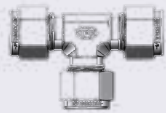
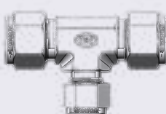
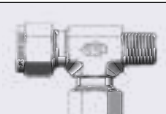
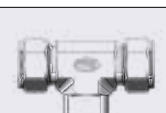
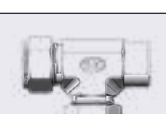
Female Elbow



Union Elbow



45° Male Elbow

	45° Female Elbow
	Union Tee
	Reducing Union Tee
	Male Branch Tee
	Male Run Tee
	Female Branch Tee
	Female Run Tee
	Union Cross
	Front Ferrule
	Back Ferrule

	Nut
	Insert
	Port Connector
	Positionable Male Elbow
	Positionable Male Branch Tee

TOOLS & ACCESSORIES

	Gap Inspection Gauges
	Bulkhead Retainers

ORDERING INFORMATION

BS6-

MC

CLASSIFICATION & MATERIAL

PRODUCT NAME

BS6:SS316L	MC:MALE CONNECTOR	MEL:45° MALE ELBOW
BBR:BRASS C3604 / C3771	MCT:BORE-THROUGH MALE CONNECTOR	FEL:45° FEMALE ELBOW
BS321:SS321	FC:FEMALE CONNECTOR	UT:UNION TEE
BM4:MONEL 400	U:EQUAL UNION	RUT:REDUCING UNION TEE
BC276:ALLOY C276	RU:REDUCING UNION	MBT:MALE BRANCH TEE
B2205:DUPLEX 2205	BU:BULKHEAD UNION	MRT:MALE RUN TEE
BBR0:BRASS C36000	BMC:BULKHEAD MALE CONNECTOR	FBT:FEMALE BRANCH TEE
	BFC:BULKHEAD FEMALE CONNECTOR	FRT:FEMALE RUN TEE
	P:PLUG	UCR:UNION CROSS
	C:CAP	FF:FRONT FERRULE
	ODSW:SOCKET WELD UNION	BF:BACK FERRULE
	ODBW:BUTT WELD UNION	N:NUT
	ODTA:REDUCER	CT:INSERT
	MCH:UNION TUBE FLARE	PC:PORT CONNECTOR
	TAM:MALE TUBE ADAPTER	PME:POSITIONABLE MALE ELBOW
	TAF:FEMALE TUBE ADAPTER	PMBT:POSITIONABLE MALE BRANCH TEE
	ME:MALE ELBOW	
	FE:FEMALE ELBOW	
	UE:UNION ELBOW	

02

02-

R

SIZE
(FRACTIONAL)SIZE
(METRIC)THREAD/
SOCKET WELDING/
BUTT WELDING SIZE

THREAD TYPE

005:1/16"

3:3mm

01:1/8"

R:BSPT THREAD

01:1/8"

6:6mm

02:1/4"

N:NPT THREAD

015:3/16"

8:8mm

03:3/8"

GP1:G THREAD P1 TYPE

02:1/4"

10:10mm

04:1/2"

GP2:G THREAD P2 TYPE

025:5/16"

12:12mm

05:5/8"

GE:G THREAD E TYPE

03:3/8"

14:14mm

06:3/4"

GS:G THREAD S TYPE

04:1/2"

15:15mm

08:1"

GO:G THREAD O TYPE

05:5/8"

16:16mm

012:1-1/4"

G:G THREAD

06:3/4"

18:18mm

014:1-1/2"

* BSPP/G THREAD ONLY FOR POSITIONABLE TUBE FITTINGS

08:1"

20:20mm

016:2"

* NULL FOR SAE THREAD

22:22mm

SAE 4

25:25mm

SAE 6

SAE 8

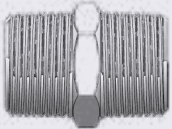
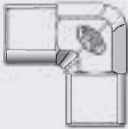
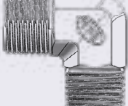
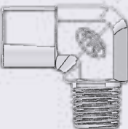
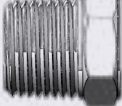
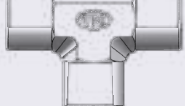
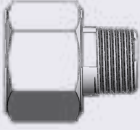
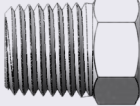
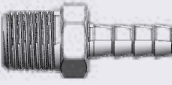
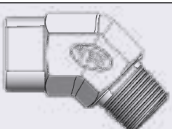
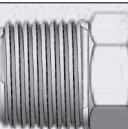
PIPE FITTINGS



PRODUCT INFORMATION

- Size: 1/8"~2"
- Material available with stainless steel, brass, and alloy
- Each product carved with size and tracing code

TYPE

	Hex Nipple		Female Elbow
	Reducing Hex Nipple		Male Elbow
	Hex Coupling		Street Elbow
	Reducing Hex Coupling		Reducing Street Elbow
	Reducing Bushing		Tee
	Reducing Adapter		Male Tee
	Hex Plug		Branch Tee
	Hose Adaptor		Street Tee
	45° Street Elbow		Vent Protector

ORDERING INFORMATION

BS4 - CLASSIFICATION & MATERIAL	RHN PRODUCT NAME	0203 - THREAD SIZE A / B (FRACTIONAL)	R THREAD TYPE
BS6:SS316L	HN:HEX NIPPLE	01 :1/8"	R:BSPT THREAD
BS4:SS304	RHN:REDUCING HEX NIPPLE	02 :1/4"	N:NPT THREAD
BBR:BRASS C3604 / C3771	HCG:HEX COUPLING	03 :3/8"	GP1:G THREAD P1 TYPE
BS321:SS321	RHCG:REDUCING HEX COUPLING	04 :1/2"	GP2:G THREAD P2 TYPE
BM4:MONEL 400	RB:REDUCING BUSHING	05 :5/8"	GE:G THREAD E TYPE
BC276:ALLOY C276	RA:REDUCING ADAPTER	06 :3/4"	GS:G THREAD S TYPE
B2205:DUPLEX 2205	PTH:HEX PLUG	08 :1"	GO:G THREAD O TYPE
BBR0:BRASS C36000	PN:HOSE ADAPTOR	012:1-1/4"	
	E:FEMALE ELBOW	014:1-1/2"	
	MET:MALE ELBOW	016:2"	
	SE:STREET ELBOW		
	RSE:REDUCING STREET ELBOW		
	SEL:45° STREET ELBOW		
	T:TEE		
	MT:MALE TEE		
	BT:BRANCH TEE		
	ST:STREET TEE		
	RBW:VENT PROTECTOR		

BLEED VALVES



PRODUCT INFORMATION

- Cold draw bar body, material complies with ASTM A276 / A479
- Designed for bleed / vent

TYPE



ORDERING INFORMATION

BS6 -	JSC	04	N
CLASSIFICATION & MATERIAL	PRODUCT NAME	THREAD SIZE	THREAD TYPE
BS6:SS316L	JSC:BLEED VALVE	02:1/4"	R:BSPT THREAD
		03:3/8"	N:NPT THREAD
		04:1/2"	

FLANGE ADAPTERS



PRODUCT INFORMATION

- Compatible with ASME B16.5, HG / T 20615-2009, HG / T 20592-2009
- Full range of sealing faces including flat face, raised face, groove face, and ring joint face
- Material: SS316L, Alloy
- One-piece forged body non welding

ORDERING INFORMATION

BS6 -	FA	04	RF -	15J -	
CLASSIFICATION & MATERIAL	PRODUCT NAME	FLANGE SIZE	FLANGE SEALING SURFACE	SIZE (FRACTIONAL)	SIZE (METRIC)
BS6:SS316L	FA:FLANGE ADA	04 :DN15(1/2")	FF:FLAT FACE	02J :1/4"	6J :6mm
BC276:ALLOY C276		06 :DN20(3/4")	RF:RAISED FACE	03J :3/8"	8J :8mm
		08 :DN25(1")	T:TONGUE FACE	04J :1/2"	10J :10mm
		012 :DN32(1-1/4")	G:GROOVE FACE	06J :3/4"	12J :12mm
		014 :DN40(1-1/2")	RTJ:RING JOINT FACE	08J :1"	14J :14mm
		016 :DN50(2")			15J :15mm
					16J :16mm
					18J :18mm
					20J :20mm
					22J :22mm
					25J :25mm

CL9 - AM

PRESSURE GRADE

FLANGE STANDARD

CLASS

PN

CL1:Class150	PN2.5	AM:ASME B16.5
CL3:Class300	PN6	HG:HG/T 20592(PN)
CL4:Class400	PN10	HG:HG/T 20615(Class) (NOT INCLUDE Class400)
CL6:Class600	PN16	
CL9:Class900	PN25	
CL15:Class1500	PN40	
CL25:Class2500	PN63	
	PN100	
	PN160	

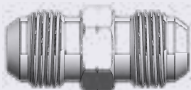
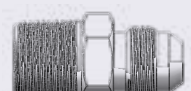
JIC 37° (AN) FLARE END FITTINGS



PRODUCT INFORMATION

- Size: 1/8"~1"
- Material available with stainless steel and brass
- Compatible with JIC 37° (AN)

TYPE

	JIC 37° Equal Union		JIC 37° Flared Male Elbow Thread
	JIC 37° Flared Male Thread		JIC 37° Flared Female Thread

ORDERING INFORMATION

BS6 -	PH	03	R	02
CLASSIFICATION & MATERIAL	PRODUCT NAME	THREAD SIZE	THREAD TYPE	JIC 37° 尺寸 JIC 37° SIZE
BS6:SS316L	TH:JIC 37° Equal Union	01 :1/8"	R:BSPT THREAD	02 :1/4"
BS4:SS304	PH:JIC 37° Flared Male Thread	02 :1/4"	N:NPT THREAD	03 :3/8"
BBR:BRASS C3604 / C3771	PHF:JIC 37° Flared Female Thread	03 :3/8"	*NULL FOR TH CONNECTOR	04 :1/2"
	PHE:JIC 37° Flared Male Elbow Thread	04 :1/2"		05 :5/8"
		06 :3/4"		06 :3/4"
		08 :1"		08 :1"

JIC 37° THREAD SIZE (in.)

02(1/4"): 7/16-20UNF

03(3/8"): 9/16-18UNF

04(1/2"): 3/4-16UNF

05(5/8"): 7/8-14UNF

06(3/4"): 1 1/16-12UN

08(1") : 1 5/16-12UN

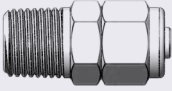
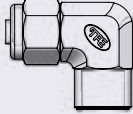
PNEUMATIC FITTINGS



PRODUCT INFORMATION

- Application: PU hose, Nylon hose, PTFE hose and all kinds of hose
- Size: 1/8"~1", 3mm~ 25mm
- Material available with stainless steel and brass
- Each product carved with size and tracing code

TYPE

	Fast-In Male Connector		Fast-In Male Elbow
	Fast-In Female Connector		Fast-In Female Elbow

ORDERING INFORMATION

BS4 -	NMC	8		02 -	R
CLASSIFICATION & MATERIAL	PRODUCT NAME	HOSE SIZE (FRACTIONAL)	HOSE SIZE (METRIC)	THREAD SIZE	THREAD TYPE
BS6:SS316L	NMC:Fast-In Male Connector	01 :1/8"	3 :3mm	01 :1/8"	R:BSPT THREAD
BS4:SS304	NFC:Fast-In Female Connector	015 :3/16"	6 :6mm	02 :1/4"	N:NPT THREAD
BBR : BRASS C3604 / C3771	NME:Fast-In Male Elbow	02 :1/4"	8 :8mm	03 :3/8"	
	NFE:Fast-In Female Elbow	025 :5/16"	10:10mm	04 :1/2"	
		03 :3/8"	12:12mm	06 :3/4"	
		04 :1/2"	14:14mm	08 :1"	
		05 :5/8"	15:15mm		
		06 :3/4"	16:16mm		
		08 :1"	18:18mm		
			20:20mm		
			22:22mm		
			25:25mm		

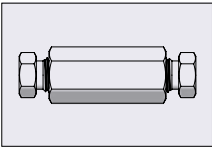
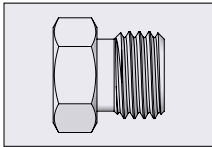
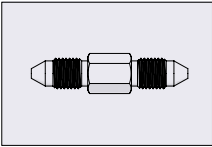
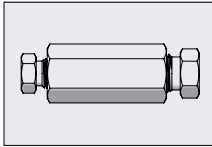
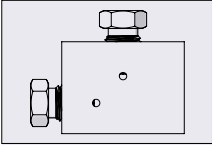
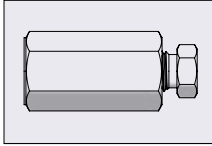
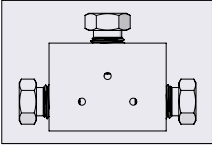
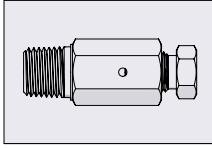
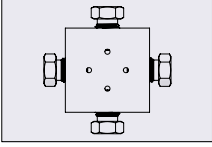
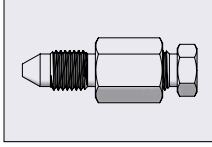
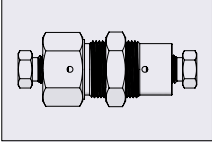
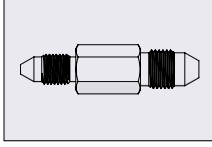
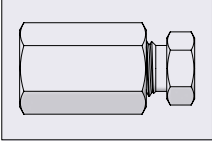
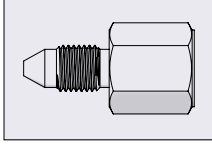
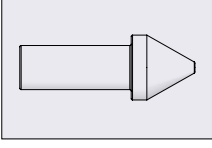
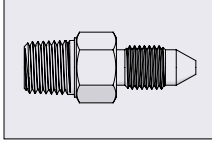
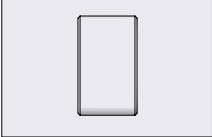
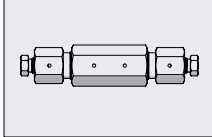
Medium Pressure Cone and Thread Fittings



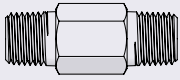
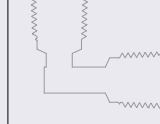
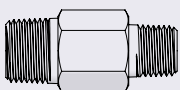
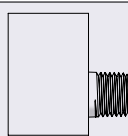
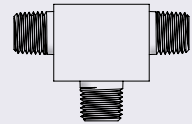
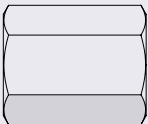
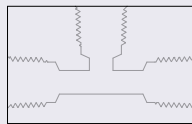
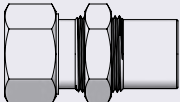
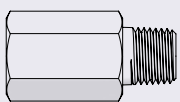
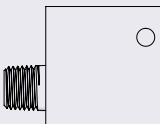
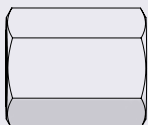
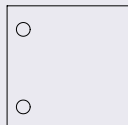
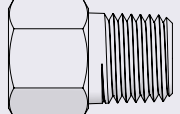
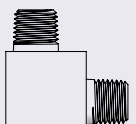
PRODUCT INFORMATION

- Strain-hardened cold drawn 316L stainless steel
- Temperature up to 540°C (1000 °F)
- Medium Pressure (MP) Size Range: 1/4"~1 1/2", Working Pressure up to 20000psig (137.9MPa)
- Cone and thread connection provides dependable medium pressure performance
- Standard weep holes enable users to verify proper connection
- Glands and collars are supplied with medium pressure fittings. Collars with left-hand threads prevent accidental disassembly

TYPE

	Couplings Female C&T		Glands
	Couplings Male C&T		Adapter - Medium-Pressure C&T to Medium-Pressure C&T
	Elbows Female C&T		Adapter - Female NPT to Medium-Pressure C&T
	Tees Female C&T		Adapter - Male NPT to Medium-Pressure C&T
	Crosses Female C&T		Adapter - Male Medium-Pressure C&T to Medium-Pressure C&T
	Bulkheads Female C&T		Adapter Male - Medium-Pressure C&T to Male Medium-Pressure C&T
	Caps		Adapter - Female NPT to Male Medium-Pressure C&T
	Plugs		Adapter - Male NPT to Male Medium-Pressure C&T
	Collars		Line Filters

TYPE

	Pipe Fittings - HEX Nipple		Pipe Fittings - Female Elbow
	Pipe Fittings - Reducing HEX Nipple		Pipe Fittings - Street Elbow
	Pipe Fittings HEX Coupling		Pipe Fittings - Male Tee
	Pipe Fittings - Reducing HEX Coupling		Pipe Fittings - Tee
	Pipe Fittings - Bulkheads HEX Coupling		Pipe Fittings - Branch Tee
	Pipe Fittings - Reducing Adapter		Pipe Fittings - Street Tee
	Pipe Fittings- Pipe Caps		Pipe Fittings - Crosses
	Pipe Fittings - Pipe Plugs		Line Fitters
	Pipe Fittings - Male Elbow		

ORDERING INFORMATION

BS6 -	20	JH	03		MM
CLASSIFICATION & MATERIAL	PRESSURE GRADE	PRODUCT NAME	THREAD SIZE	MP C&T	CONNECTION TYPE
			THREAD		
BS6:SS316L	10 :10000psi	JH:ADAPTER	01 :1/8"	02 :1/4"	FN :FEMALE THREAD NPT
	15 :15000psi	BH:BULKHEAD	02 :1/4"	03 :3/8"	FR :FEMALE THREAD PT
	20 :20000psi	P:PLUGSI	03 :3/8"	045 :9/16"	MN:MALE THREAD NPT
		T:TEES	04 :1/2"	06 :3/4"	MR:MALE THREAD PT
		E:ELBOWS	06 :3/4"	08 :1"	MM:MALE MEDIUM-PRESSURE
		U:COUPLING	08 :1"	014 :1-1/2"	MF :FEMALE MEDIUM-PRESSURE
		X:CROSS			
		C:CAPS			
		ST:STREET TEE			
		BT:BRANCH TEE			

02

MF

FLANGE SIZE

CONNECTION TYPE

MP C&T

THREAD

01 :1/8"	02 :1/4"	FN :FEMALE THREAD NPT
02 :1/4"	03 :3/8"	FR :FEMALE THREAD PT
03 :3/8"	045 :9/16"	MN:MALE THREAD NPT
04 :1/2"	06 :3/4"	MR:MALE THREAD PT
06 :3/4"	08 :1"	MM:MALE MEDIUM-PRESSURE
08 :1"	014 :1-1/2"	MF :FEMALE MEDIUM-PRESSURE

VMS Metal Gasket Face Seal Fittings



PRODUCT INFORMATION

- Size Range: 1/8"~3/4"
- Material 316L stainless steel can be applied in vacuum, gas, and liquid fields.
- Material 316L-VAR stainless steel available for semiconductor, biochemistry, pharmaceutical, and high-purity gas and liquid applications.
- Each components of JPE VMS metal gasket face seal fittings are precision manufactured with verified leak-tight performance.

PRODUCT FEATURE

JPE VMS Vacuum Metal Seal fittings are composed of several precision manufactured parts. The seal is completed when the gasket is compressed by two beads during the engagement of a male nut or body hex and a female nut. 316L VAR stainless steel is also available for applications in semiconductor, biochemical, and pharmaceutical industries, providing leak-tight service from vacuum to positive pressure.

ORDERING INFORMATION

BS6 -	VMS	01-	MN
CLASSIFICATION & MATERIAL	PRODUCT NAME	VMS SIZE	CONNECTION TYPE
SS316L FITTING	VMS MALE CONNECTOR	01:1/8"	MALE BSPT THREAD
FITTING SS316L VAR HIGH PURITY STAINLESS STEEL	VMS EQUAL UNION	02:1/4"	MALE NPT THREAD
			SAE THREAD O TYPE
	VMS REDUCING UNION	04:1/2"	FEMALE BSPT THREAD
	VMS BULKHEAD UNION	06:3/4"	FEMALE NPT THREAD
	VMS BULKHEAD MALE CONNECTOR		JPE TUBE END
	VMS COUPLING		BULKHEAD JPE TUBE END
	VMS FEMALE REDUCING UNION		BUTT WELDING
	VMS MALE ELBOW		VMS FEMALE THREAD
	VMS UNION ELBOW		TUBE BUTT WELD
	VMS UNION TEE		
	VMS UNION CROSS		
	VMS FEMALE CONNECTOR		
	VMS FEMALE EQUAL UNION		

ORDERING INFORMATION

BS6 -

VMS -HXBW

01

01

CLASSIFICATION & MATERIAL	PRODUCT NAME	VMS SIZE	SIZE (FRACTIONAL)	SIZE (METRIC)
SS316L FITTING	VMS-HXBW:	01:1/8"	01:1/8"	6:6mm
	VMS BUTT WELD			
FITTING SS316L VAR HIGH PURITY STAINLESS STEEL	VMS-HXSW:	02:1/4"	02:1/4"	8:8mm
	VMS SOCKET WELD			
	VMS-HXMW:	04:1/2"	03:3/8"	10:10mm
	VMS MALE WELD			
	VMS-HXTA:	06:3/4"	04:1/2"	12:12mm
	VMS TUBE ADAPTER			
	VMS-BLG:		05:5/8"	18:18mm
	VMS BLIND GLAND			
			06:3/4"	

	S	(BA)
SOCKET WELDING / BUTT WELDING SIZE	CONNECTION TYPE	Ra
01:1/8"		
	SHORT TUBE	- - :Ra 0.6~0.8 μm
02:1/4"		
	LONG TUBE	(BA):Ra 0.25 μm
03:3/8"		
	SHORT AUTOMATIC TUBE	
04:1/2"		
	LONG AUTOMATIC TUBE	
06:3/4"		

GLAND、BODY AND NUT		
MATERIAL	CLASSIFICATION AND MATERIAL	SPECIFICATION
316L STAINLESS STEEL	BS6	BAR STOCK: ASTM A276 / A479 FORGINGS:ASTM A182
316L VAR STAINLESS STEEL	BS6LV	SEMI F20 HIGH PURITY

① 20 % MINIMUM ELONGATION ALLOWED

ORDERING INFORMATION

BS6 -	HVMS-HXBW	02
CLASSIFICATION & MATERIAL	PRODUCT NAME	VMS 尺寸 VMS SIZE
BS6: SS316L FITTING	HVMS-HXBW: HIGH-FLOW VMS BUTT WELD	02: 1/4"
BS6LV: FITTING SS316L VAR HIGH PURITY STAINLESS STEEL	HVMS-TB: HIGH-FLOW VMS MALE BUTT WELD	
	HVMSB-TB: HIGH-FLOW VMS BULKHEAD MALE CONNECTOR BUTT WELD	
	HVMS-UE: HIGH-FLOW VMS UNION ELBOW	
	HVMS-UT: HIGH-FLOW VMS UNION TEE	
	HVMS-N: HIGH-FLOW VMS NUT	

03

M

(BA)

BUTT WELDING SIZE

CONNECTION TYPE

Ra

03:3/8"

F:
VMS FEMALE THREAD

- - :Ra 0.6~0.8 μm

M:
VMS MALE THREAD

(BA):Ra 0.25 μm

MA:
MALE AUTOMATIC TUBE

ORDERING INFORMATION

BS6 -	VMS -N	01	M
CLASSIFICATION & MATERIAL	PRODUCT NAME	VMS SIZE	CONNECTION TYPE
BS6: SS316L FITTING	VMSF-C:	01:1/8"	F:
	VMS CAP		FEMALE THREAD
	VMS-P:	02:1/4"	M:
	VMS PLUG		MALE THREAD
	VMS-N:	04:1/2"	MS:
	VMS NUT		MALE THREAD/SHORT
		06:3/4"	

ORDERING INFORMATION

BS6 -	GK	01	(S)
CLASSIFICATION & MATERIAL	PRODUCT NAME	VMS SIZE	PLATING
BS6: SS316L FITTING	GK:	01:1/8"	
	VMS GASKET		- - :NO COATING
		02:1/4"	(S):SILVER
		04:1/2"	
		06:3/4"	

GASKET	
316L Stainless Steel	ASTM A240

FILTERS

PRODUCT FEATURE

JPE Filters are used to filter out particles from system; the sintering filter element is replaceable. For T-type filter, filter element can be replaced without removing body from system. 3µm, 5µm, 10µm and 40µm nominal pore sizes are available. Body material is stainless steel and suitable for liquid and gas.

The connection types include JPE tube end, female thread and male thread; sizes in 1/8"~1/2" (fractional), 6~12mm (metric). There are two types of filter: In-line and T-type. Working Pressure for In-line is 2500 psig (172bar) @RT; T-type is 6000 psig (414bar) @RT. Each product carved with size and tracing code and 100% functional test and closure test with nitrogen at 500psig to ensure perfect quality and performance.

· RT: (Room Temp.)

FILTERS



PRODUCT INFORMATION

- Filter out particles from system
- Replaceable strainer elements are available in 3µm, 5µm, 10µm and 40µm, and mesh filter and strainer filter as option
- Suitable for liquid and gas
- Material: Stainless Steel, Alloy
- Size: OD 1/8"~1/2", 6~12mm, Male Thread 1/4"~1/2", Female Thread 1/4"~3/8"
- Type: In-Line and T-Type
- MAX working pressure: In-Line 2500 psig (172bar) @RT, T-Type 6000 psig (414bar) @RT
- Each product carved with size and tracing code
- Arrow on body indicates flow direction, easy to install
- The replacement of the filter element for this filter is not recommended to be done by customers on their own

TYPE



ORDERING INFORMATION

BS6 -	FILTER -	03		J	(T) -	10UM
CLASSIFICATION & MATERIAL	PRODUCT NAME	SIZE (FRACTIONAL)	SIZE (METRIC)	CONNECTION TYPE	PRODUCT TYPE	NOMINAL ELEMENT PORE SIZE μm
BS6:SS316L	FILTER:FILTER	01:1/8"	6:6mm	J:JPE TUBE END	(T):T-TYPE	3UM:3μm
BC276:ALLOY C276	FILTER(M) :MESH FILTER	02:1/4"	8:8mm	MR:MALE BSPT THREAD	*NULL FOR IN-LINE TYPE	5UM:5μm
	FILTER(B) :STRAINER FILTER	03:3/8"	10:10mm	FR:FEMALE BSPT THREAD		10UM:10μm
		04:1/2"	12:12mm	MN:MALE NPT THREAD		40UM:40μm
				FN:FEMALE NPT THREAD		*CUSTOMIZED FOR FILTER(M) AND FILTER(B)

- T-Type filter has the bypass port which enables sampling or purging. To order, insert a designator into the filter ordering number.
Example:BS6-FILTER-03J(T)-03J-10UM, with a bypass port of ferrule 03.
- No T-Type for filter(M)

QUICK COUPLINGS

PRODUCT FEATURE

JPE Quick Couplings are easily installed, torque-free with no special tools required, based on the principle of quick connecting and disconnecting. There are four series: NL Single Valve Type, KS Twin Valve Type, QC Twin Valve Type and CL Camlock Quick Coupling. Among them, NL series is single-end shutoff in socket side; KS series and QC series are socket and plug double-end shutoff; CL series is socket and plug full-flow model. Client can select depending on their requirements.

Both socket and plug are available with male thread, female thread or hose connection. Such connections can be combined as required. The main body is made of stainless steel, steel or brass. A variety of models are available, client can select the best model to suit your specific operating conditions and applications. Packing material has NBR, FKM and FFKM as options.

NL SERIES FOR LOW PRESSURE, SINGLE VALVE TYPE



PRODUCT INFORMATION

- NL Series Quick Couplings
- PU Hose Couplings
- Air Distributors

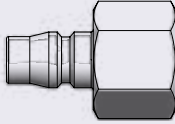
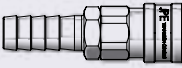
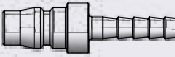
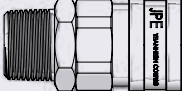
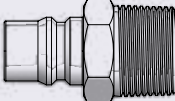
NL SERIES QUICK COUPLINGS



PRODUCT INFORMATION

- Size: 1/8"~1"
- NL series is available with NL20 / NL40 / YNL
- Material: Stainless Steel, Brass, and Steel
- NBR packing as standard

TYPE

	Socket-Female Thread		Plug-Female Thread
	Socket- Hose Shank		Plug- Hose Shank
	Socket-Male Thread		Plug-Male Thread

ORDERING INFORMATION

AS4 -	21		PF -		N
CLASSIFICATION & MATERIAL	THREAD SIZE	HOSE SIZE	PRODUCT NAME		THREAD TYPE
AS4:SS304	21:1/8"	21:1/4"	PM:PLUG-MALE THREAD		R:BSPT THREAD
ABR:BRASS C3604	22:1/4"	22:5/16"	PF:PLUG-FEMALE THREAD		N:NPT THREAD
AFE:CARBON STEEL	23:3/8"	23:3/8"	PH:PLUG- HOSE SHANK		*NULL FOR HOSE CONNECTION
	24:1/2"	24:1/2"	SM:SOCKET-MALE THREAD		
	44:1/2"	44:1/2"	SF:SOCKET-FEMALE THREAD		
	46:3/4"	46:3/4"	SH:SOCKET- HOSE SHANK		
	48:1"	48:1"	YSM:ONE TOUCH SOCKET-MALE THREAD		
			YSF:ONE TOUCH SOCKET-FEMALE THREAD		
			YSH:ONE TOUCH SOCKET- HOSE SHANK		

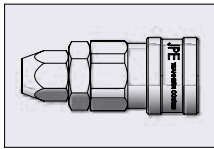
PU HOSE COUPLINGS



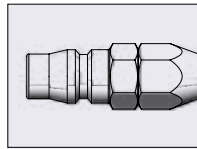
PRODUCT INFORMATION

- Application: PU hose, Nylon hose, PTFE hose and all kinds of hose
- Accomplished by inserting the tube and tightening the nut, safe and quick install
- The JPE NL20 series are identical in size and interchangeable
- Material: Stainless Steel and Steel
- NBR packing as standard

TYPE



PU Hose Coupling



PU Hose Coupling

ORDERING INFORMATION

Unit:mm

AFE -

21

SA

CLASSIFICATION &
MATERIAL

HOSE SIZE(I.D.*O.D.) (mm)

PRODUCT NAME

AS4:SS304

*PLEASE REFERENCE BELOW TABLE

SA:SOCKET-NUT

AFE:CARBON STEEL

SB:SOCKET-NUT

PA:PLUG-NUT

PB:PLUG-NUT

YSA:ONE TOUCH SOCKET-NUT

YSB:ONE TOUCH SOCKET-NUT

SPECIFICATIONS

Unit:mm

PART NO. Socket(S) / Plug(P)	HOSE SIZE (mm)	
	I.D.	O.D.
20SA / 20PA	Ø4	Ø6
21SA / 21PA	Ø5	Ø8
22SA / 22PA	Ø6.5	Ø9.5
22SB / 22PB	Ø6.5	Ø10
23SA / 23PA	Ø8	Ø12
23SB / 23PB	Ø9.5	Ø12.7

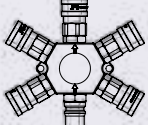
AIR DISTRIBUTORS



PRODUCT INFORMATION

- Applied to fluid pipeline branch
- Branch connector are interchangeable with JPE NL / YNL series
- Material: Stainless Steel

TYPE

	S-30 Type Air Distributor
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ORDERING INFORMATION

AS4 - S30

CLASSIFICATION &
MATERIAL

PRODUCT NAME

AS4:SS304	S30:S-30 TYPE AIR DISTRIBUTOR
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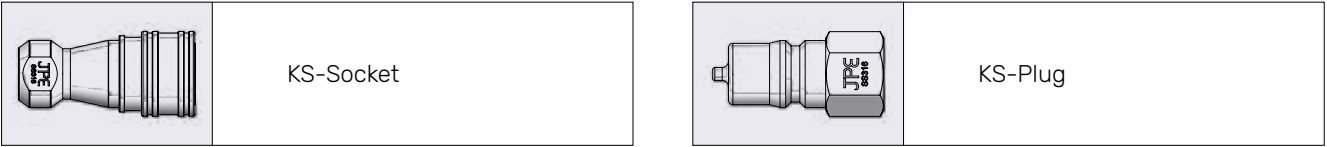
KS SERIES FOR MIDDLE & LOW PRESSURE, TWIN VALVE TYPE



PRODUCT INFORMATION

- Twin-valves design for both socket and plug, once the socket and plug are disconnected, both the socket and plug sides are sealed
- Superior sealing
- Application goes through while the socket and plug are connected and closes while they are disconnected
- FKM packing as standard, and other materials as options • Size: 1/8"~2"
- Material: Stainless Steel and Brass

TYPE



ORDERING INFORMATION

AS4 -	KSS	01	N	(V)
CLASSIFICATION & MATERIAL	PRODUCT NAME	THREAD SIZE	THREAD TYPE	PACKING MATERIAL
AS6:SS316L	KSP:KS PLUG	01:1/8"	R:BSPT THREAD	V:FKM
AS4:SS304	KSS:KS SOCKET	02:1/4"	N:NPT THREAD	EP:EPDM
ABR:BRASS C3604		03:3/8"		N:NBR
		04:1/2"		F:FFKM
		06:3/4"		
		08:1"		
		012:1-1/4"		
		014:1-1/2"		
		016:2"		

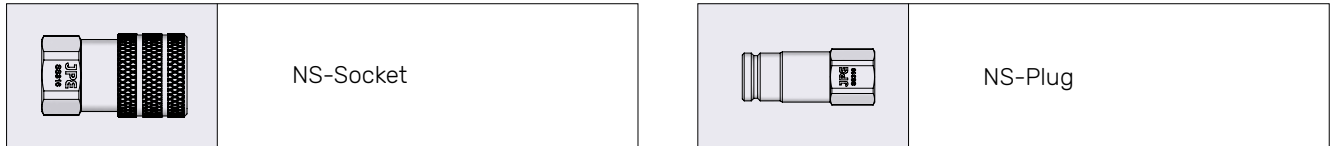
NS SERIES FOR NON-SPILL FLAT FACE QUICK COUPLING



PRODUCT INFORMATION

- Quick and easy operation: when the socket and plug are disconnected, both the socket and plug side are completely sealed.
- Flush face valve design, minimize the spillage during disconnecting and the air inclusion during connecting.
- With locking ball design, the workload can be averaged out; during operation (under pressure) it also allows some rotation between socket and plug.
- NS series has better flow rate and minimum pressure loss.
- Standard body material is in SS316L and FKM for seal material (other material available).
- Various seal material is available by request.

TYPE



ORDERING INFORMATION

AS6 -	NSP	04	F	N	(V)
CLASSIFICATION AND MATERIAL	PRODUCT NAME	SIZE (FRACTIONAL)	CONNECTION TYPE	THREAD TYPE	PACKING MATERIAL
AS6:	NSP:	03: 3/8"	F:	N:	V:
SS316L QUICK COUPLING	NS PLUG		FEMALE THREAD	NPT THREAD	FKM
	NSS:	04:1/2"		R:	EP:
	NS SOCKET			PT THREAD	EPDM
					N:
					NBR
					F:
					FFKM

- Sockets can be connected with plugs only when their nominal diameters are the same.

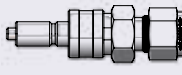
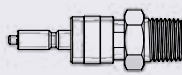
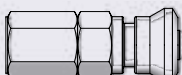
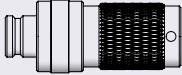
QC SERIES FOR MIDDLE & LOW PRESSURE, TWIN VALVE TYPE



PRODUCT INFORMATION

- Twin-valves design for both socket and plug, once the socket and plug are disconnected, both the socket and plug sides are sealed
- Suitable for gas
- Connection type: JPE Tube End, Male / Female Thread
- Size: 1/8" ~ 1/2", 6mm ~ 12mm
- Push-in connecting design enables quick and easy operation
- Plug and socket protector as options to prevent dirt from entering when not in use
- Material: SS316L
- FKM packing as standard, and other materials as options

TYPE

	Socket-JPE Tube End		Plug-JPE Tube End
	Socket-Male Thread		Plug-Male Thread
	Socket-Female Thread		Plug-Female Thread
	Socket-Bulkhead JPE Tube End		Plug-Bulkhead JPE Tube End
	Socket Protector		Plug Protector

ORDERING INFORMATION

AS6 -	QCP	02		F -	N	(V)
CLASSIFICATION & MATERIAL	PRODUCT NAME	SIZE (FRACTIONAL)	SIZE (METRIC)	CONNECTION TYPE	THREAD TYPE	PACKING MATERIAL
AS6:SS316L	QCP:QC PLUG	01:1/8"	6:6mm	J:JPE TUBE END	R:BSPT THREAD	V:FKM
	QCS:QC SOCKET	02:1/4"	8:8mm	M:MALE THREAD	N:NPT THREAD	EP:EPDM
	QCBP:QC BULKHEAD PLUG	03:3/8"	10:10mm	F:FEMALE THREAD	*NULL FOR JPE TUBE END CONNECTION	N:NBR
	QCBS:QC BULKHEAD SOCKET	04:1/2"	12:12mm			F:FFKM

OPTION-PROTECTOR

AS6 -	QCP	02 -	PTT
CLASSIFICATION & MATERIAL	PRODUCT NAME	SIZE (FRACTIONAL)	PRODUCT NAME
AS6:SS316L	QCP:QC PLUG	02:1/8", 1/4", 6mm, 8mm	PTT:PROTECTOR
	QCS:QC SOCKET	03:3/8", 10mm	
		04:1/2", 12mm	

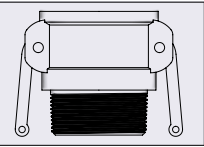
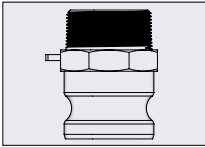
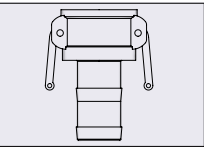
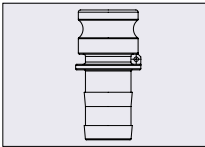
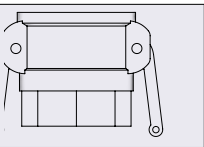
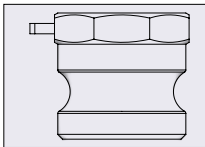
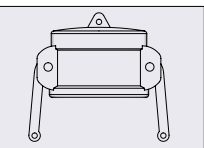
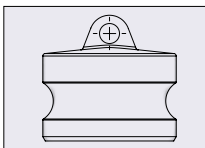
CL SERIES QUICK COUPLINGS FOR LOW PRESSURE



PRODUCT INFORMATION

- Camlock Quick Coupling
- Body: precision casting, material complies with ASTM A351
- Size: 1/2" – 6"
- Material: Stainless Steel

TYPE

	Female Coupler-Male Thread		Male Adapter-Male Thread
	Female Coupler-Hose Shank		Male Adapter-Hose Shank
	Female Coupler-Female Thread		Male Adapter-Female Thread
	Female Coupler-Dust Cap		Male Adapter-Dust Plug

ORDERING INFORMATION

AS6 -	A	050 -	R
CLASSIFICATION & MATERIAL	PRODUCT NAME	THREAD SIZE	THREAD TYPE
AS6:A351 CF8M	A: MALE ADAPTER-FEMALE THREAD	050 :1/2"	R:BSPT THREAD
AS4:A351 CF8	F: MALE ADAPTER-MALE THREAD	075 :3/4"	N:NPT THREAD
	E: MALE ADAPTER-HOSE SHANK	100 :1"	*NULL FOR HOSE SHANK AND DUST CAP/PLUG CONNECTION
	DP: MALE ADAPTER-DUST PLUG	125 :1-1/4"	
	B:FEMALE COUPLER-MALE THREAD	150 :1-1/2"	
	C:FEMALE COUPLER-HOSE SHANK	200 :2"	
	D:FEMALE COUPLER-FEMALE THREAD	250 :2-1/2"	
	DC:FEMALE COUPLER-DUST CAP	300 :3"	
		400 :4"	
		500 :5"	
		600 :6"	

VALVES

PRODUCT FEATURE

JPE provides several types of valves including Instrument Ball Valves, Check Valves, Instrument Needle Valves, Metering Valves, Rising Plug Valves, Gauge Valves, Bleed Valves, Valve Manifolds, Monoflanges, Cryogenic Pressure Regulators, Proportional Relief Valves, Pressure Reducing Regulators. Client can select depending on their requirements.

JPE Valves are available with various end connections types, providing a wide range of working pressure and temperature. Client can select suitable valves depending on the applications.

Before shipment, 100% functional test and closure test with nitrogen to ensure product quality and performance in order to provide the best product to our client.

INSTRUMENT BALL VALVES



PRODUCT INFORMATION

- 2PC Ball Valves
- 3PC Ball Valves
- 3PC Casting Instrument Ball Valves 50kg
- 3PC Full Port High Pressure Ball Valves
- 3PC Casting Full Port Ball Valves
- Trunnion Ball Valves
- Casting Ball Valves
- Switch Valves
- 3 Way Casting Diverter Valves

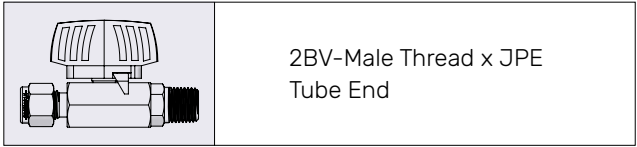
2PC BALL VALVES



PRODUCT INFORMATION

- On/off service ball valve with 2 way pattern
- The design of floating ball ensures leak proof shut off
- Plastic handle as standard; butterfly and lever handle as options
- Blow-Out Proof Stem
- MAX working pressure: 1000 psig (69bar) @RT
- Connection type: JPE Tube End and Male Thread
- Size: 1/4"~3/4", 6mm~18mm
- FKM and PTFE packing as standard
- 100% functional test and closure test with nitrogen at 500psig

TYPE



ORDERING INFORMATION

C -	2	BV -	S6 -	02		J -
CLASSIFICATION	PRODUCT TYPE	VALVE TYPE	MATERIAL	SIZE (FRACTIONAL)	SIZE (METRIC)	CONNECTION TYPE
C: VALVES	2: 2PC	BV: 2 WAY BALL VALVE	S6: SS316L	02: 1/4"	6: 6mm	J: JPE TUBE END
				03: 3/8"	8: 8mm	MR: MALE BSPT THREAD
				04: 1/2"	10: 10mm	MN: MALE NPT THREAD
				06: 3/4"	12: 12mm	
					18: 18mm	

• Valves that have not been used for a long time may have a higher initial rotation torque

1P

(BTF)

@RT

WORKING PRESSURE

HANDLE TYPE

1P:1000psig

--:PLASTIC HANDLE

(BTF):BUTTERFLY STAINLESS STEEL HANDLE

(LEVER):LEVER STAINLESS STEEL HANDLE

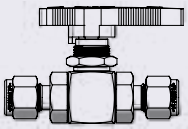
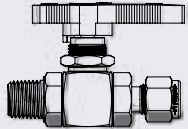
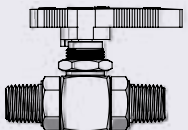
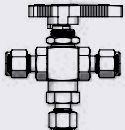
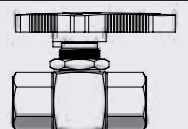
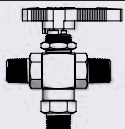
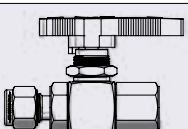
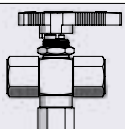
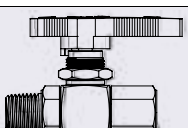
3PC BALL VALVES



PRODUCT INFORMATION

- On/off service ball valve with 2 way pattern
- Diverter service ball valve with 3 way pattern
- The design of floating ball ensures leak proof shut off
- MAX working pressure: 3000psig (207bar) / 6000 psig (414bar) @RT
- Connection type: JPE Tube End and Male/Female Thread
- Size: 1/8"~3/4"; 6mm~18mm
- Working pressure 3000psig: FKM and PTFE packing as standard
- Working pressure 6000psig: FKM and PEEK packing as standard
- 100% functional test and closure test with nitrogen at 500psig

TYPE

	3BV-JPE Tube End		3BV- JPE Tube End x Male Thread
	3BV-Male Thread		3BVT-JPE Tube End
	3BV-Female Thread		3BVT-Male Thread
	3BV-Female Thread x JPE Tube End		3BVT-Female Thread
	3BV-Female Thread x Male Thread		

ORDERING INFORMATION

C -

3

BV -

S6 -

02

CLASSIFICATION PRODUCT TYPE VALVE TYPE MATERIAL SIZE (FRACTIONAL) SIZE (METRIC)

C: VALVES	3: 3PC	BV: 2 WAY BALL VALVE	S6: SS316L	01: 1/8"	6: 6mm
		BVT: 3 WAY BALL VALVE		02: 1/4"	8: 8mm
				03: 3/8"	10: 10mm
				04: 1/2"	12: 12mm
				06: 3/4"	14: 14mm
					16: 16mm
					18: 18mm

- Valves that have not been used for a long time may have a higher initial rotation torque
- Available with blue and red aluminum alloy handle
- Purchase pneumatic actuator, add -AXXX at the end of JPE product name. EX: C-3BV-S6-02J-3P-AVSO

ORDERING INFORMATION FOR PNEUMATIC ACTUATOR

A

V

S

O

A: PNEUMATIC ACTUATOR	V: ROTATION ANGLE 90°	S: SINGLE ACTING	O: AIR-TO-CLOSE (NORMALLY OPEN)
	H: ROTATION ANGLE 180° (NOT APPLICABLE TO SINGLE ACTING)	D: DOUBLE ACTING	C: AIR-TO-OPEN (NORMALLY CLOSED)

J -3P

CONNECTION TYPEWORKING PRESSURE

J:JPE TUBE END3P:3000psig

MR:MALE BSPT THREAD6P:6000psig

FR:FEMALE BSPT THREAD

MN:MALE NPT THREAD

FN:FEMALE NPT THREAD

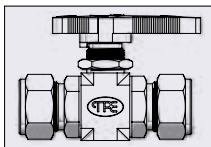
3PC CASTING INSTRUMENT BALL VALVES 50KG



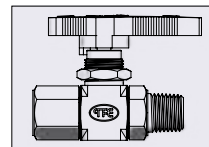
PRODUCT INFORMATION

- On/Off service ball valve with 2 way pattern
- The design of floating ball ensures leak proof shut off
- Body: precision casting, material complies with ASTM A351
- MAX working pressure: 50KG (711 psig) @RT
- Connection type: JPE Tube End and Male/Female Thread
- FKM and PTFE packing as standard
- 100% functional test and closure test with nitrogen at 500psig

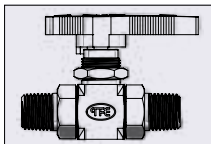
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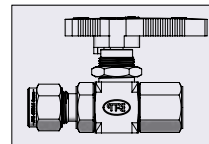
3BVL-JPE Tube End



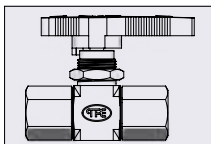
3BVL-Male Thread x
Female Thread



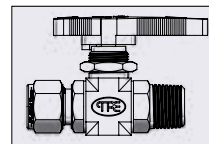
3BVL-Male Thread



3BVL-Female Thread x
JPE Tube End



3BVL-Female Thread



3BVL-Male Thread x
JPE Tube End

ORDERING INFORMATION

C -	3BVL -	S6 -	02	
CLASSIFICATION & MATERIAL	VALVE TYPE	MATERIAL	SIZE (FRACTIONAL)	SIZE (METRIC)
C: VALVES	3BVL: 3PC CASTING INSTRUMENT BALL VALVE	S6: SS316L	01: 1/8"	6: 6mm
			02: 1/4"	8: 8mm
			03: 3/8"	10: 10mm
			04: 1/2"	12: 12mm
			06: 3/4"	14: 14mm
			08: 1"	16: 16mm
				18: 18mm
				20: 20mm
				22: 22mm
				25: 25mm

- Valves that have not been used for a long time may have a higher initial rotation torque
- Available with blue and red aluminum alloy handle
- Purchase pneumatic actuator, add -AXXX at the end of JPE product name. EX: C-3BVL-S6-02J-5K-AVSO

ORDERING INFORMATION FOR PNEUMATIC ACTUATOR

A	V	S	O
A: PNEUMATIC ACTUATOR	V: ROTATION ANGLE 90°	S: SINGLE ACTING	O: AIR-TO-CLOSE (NORMALLY OPEN)
	H: ROTATION ANGLE 180° (NOT APPLICABLE TO SINGLE ACTING)	D: DOUBLE ACTING	C: AIR-TO-OPEN (NORMALLY CLOSED)

J -

5K

@RT

CONNECTION TYPE

WORKING PRESSURE

J:JPE TUBE END

5K:50KG

MR:MALE BSPT THREAD

FR:FEMALE BSPT THREAD

MN:MALE NPT THREAD

FN:FEMALE NPT THREAD

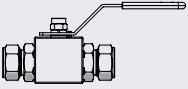
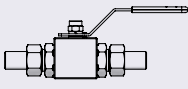
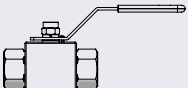
3PC FULL PORT HIGH PRESSURE BALL VALVES



PRODUCT INFORMATION

- Body: cold draw bar, material complies with ASTM A276 / A182
- Connection type: JPE Tube End, Female Thread and Union Welding
- Full Port High Pressure, Blow-Out Proof Stem
- MAX working pressure: 6000 psig (414bar) @RT
- FKM and PVDF packing as standard
- 100% functional test and closure test with nitrogen at 1000psig

TYPE

	3BVS - JPE Tube End		3BVS - Union Welding
	3BVS - Female Thread		

ORDERING INFORMATION

C -	3BVS -	S6 -	08	J -	3P
CLASSIFICATION	VALVE TYPE	MATERIAL	SIZE (FRACTIONAL)	CONNECTION TYPE	@RT WORKING PRESSURE
C: VALVES	3BVS: 3PC FULL PORT HIGH PRESSURE BALL VALVE	S6: SS316L	04: 1/2"	J: JPE TUBE END	3P: 3000psig
			06: 3/4"	FR: FEMALE BSPT THREAD	6P: 6000psig
			08: 1"	FN: FEMALE NPT THREAD	
				UW: UNION WELDING	

- JPE Tube End Size: 3/4" and 1", Max working pressure of 1" is 3000psig
- Valves that have not been used for a long time may have a higher initial rotation torque

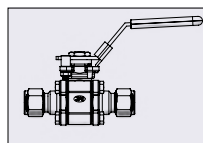
3PC CASTING FULL PORT BALL VALVES



PRODUCT INFORMATION

- Body: precision casting, material complies with ASTM A351
- Connection type: JPE Tube End, Male/Female Thread
- MAX working pressure: 3000 psig (207bar) @RT
- ISO 5211 installation platform
- Fire-Safe Design and Blow-Out Proof Stem
- FKM and PTFE packing as standard, and Graphite packing as option
- 100% functional test and closure test with nitrogen at 500psig

TYPE



BVL32 - JPE Tube End

ORDERING INFORMATION

C -	BVL3	3 -	S6 -	08	J (L)
CLASSIFICATION	VALVE TYPE	@RT WORKING PRESSURE	MATERIAL	SIZE (FRACTIONAL)	CONNECTION TYPE
C: VALVES	BVL3: 3PC CASTING FULL PORT BALL VALVE	2: 2000 psig	S6: SS316L	02: 1/4"	J(L): JPE TUBE END
		3: 3000 psig		03: 3/8"	FR(L): FEMALE BSPT THREAD
		3FE: 3000 psig		04: 1/2"	FN(L): FEMALE NPT THREAD
		* THE MAXIMUM WORKING PRESSURE APPLICABLE TO FUGITIVE EMISSION IS 3000 PSIG @RT		06: 3/4"	BW(L): BUTT WELDING
				08: 1"	SW(L): SOCKET WELDING
				012: 1-1/4"	
				014: 1-1/2"	
				016: 2"	

- JPE Tube End Size: 1/2", 3/4" and 1" only, Max working pressure 3000 psig @RT
- (L) Handle with lock as standard
- Valves that have not been used for a long time may have a higher initial rotation torque
- Purchase pneumatic actuator, add -AXXX at the end of JPE product name.
EX: C-BVL33-S6-08J(L)-AVSO
- Purchase Fugitive Emission type, insert FE into JPE product number
EX: C-BVL33FE-S6-04J

ORDERING INFORMATION FOR PNEUMATIC ACTUATOR

A	V	S	O
A: PNEUMATIC ACTUATOR	V: ROTATION ANGLE 90°	S: SINGLE ACTING	O: AIR-TO-CLOSE (NORMALLY OPEN)
	H: ROTATION ANGLE 180° (NOT APPLICABLE TO SINGLE ACTING)	D: DOUBLE ACTING	C: AIR-TO-OPEN (NORMALLY CLOSED)

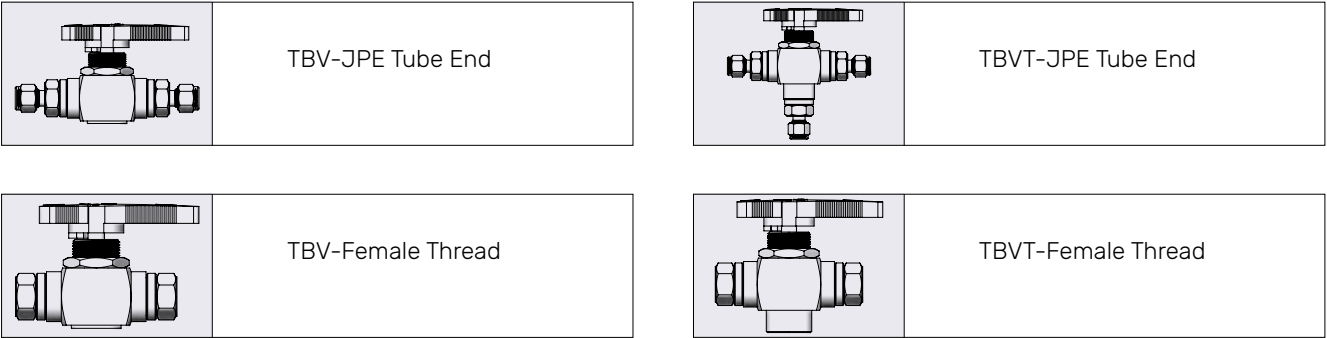
TRUNNION BALL VALVES



PRODUCT INFORMATION

- On/Off service ball valve with 2 way pattern
- Diverter service ball valve with 3 way pattern
- Fixed ball design resistant to high pressure impact
- MAX working pressure: 6000 psig (414bar) @RT
- Connection type: JPE Tube End, Female Thread
- Size: 1/8"~1/2", 3mm~12mm
- FKM and PEEK packing as standard, and PTFE packing as option
- 100% functional test and closure test with nitrogen at 1000psig

TYPE



ORDERING INFORMATION

C -	TBV -	S6 -	04		FN -	6P
CLASSIFICATION	VALVE TYPE	MATERIAL	SIZE (FRACTIONAL)	SIZE (METRIC)	CONNECTION TYPE	@RT WORKING PRESSURE
C: VALVES	TBV: TRUNNION BALL VALVE	S6: SS316L	01: 1/8"	3: 3mm	J: JPE TUBE END	6P: 6000psig
	TBVT: 3 WAY TRUNNION BALL VALVE		02: 1/4"	4: 4mm	FR: FEMALE BSPT THREAD	
			03: 3/8"	6: 6mm	FN: FEMALE NPT THREAD	
			04: 1/2"	8: 8mm		
				10: 10mm		
				12: 12mm		

• Valves that have not been used for a long time may have a higher initial rotation torque

CASTING BALL VALVES



1PCS CASTING BALL VALVES 1000 psig

PRODUCT INFORMATION

- MAX working pressure:1000 psig (69bar) @RT• Applicable media:water, oil and gas
 - Applicable temperature:-29°C ~180°C
 - Blow-Out Proof Stem
 - Reducing port type
 - Available with locking device
 - 100% functional test and closure test with nitrogen at 500psig
-

2PCS CASTING BALL VALVES 1000 psig

PRODUCT INFORMATION

- MAX working pressure:1000 psig (69bar) @RT• Applicable media:water, oil and gas
- Applicable temperature:-29°C ~180°C
- Blow-Out Proof Stem
- Full port type
- Available with locking device
- 100% functional test and closure test with nitrogen at 500psig

2PCS CASTING BALL VALVES 2000 psig

PRODUCT INFORMATION

- MAX working pressure: 2000 psig (138bar) @RT
 - Applicable media: water, oil and gas
 - Applicable temperature: -29°C ~180°C
 - Blow-Out Proof Stem
 - Full port type
 - Available with locking device
 - 100% functional test and closure test with nitrogen at 500psig
-

3PCS CASTING BALL VALVES 2000 psig

PRODUCT INFORMATION

- MAX working pressure: 2000 psig (138bar) @RT
- Applicable media: water, oil and gas
- Applicable temperature: -29°C ~180°C
- Blow-Out Proof Stem
- Full port type
- Available with locking device
- 100% functional test and closure test with nitrogen at 500psig

ORDERING INFORMATION

C - BVL1 - S6 - 08 FR (L)

CLASSIFICATION	VALVE TYPE	WORKING PRESSURE	MATERIAL	SIZE (FRACTIONAL)	CONNECTION TYPE	
C: VALVE	BVL1: 1 PC REDUCING PORT CASTING BALL VALVE	-: 1000 psig	S6: SS316L	02: 1/4"	FR: FEMALE BSPT THREAD	-: WITHOUT LOCK
	BVL2: 2 PC FULL PORT CASTING BALL VALVE	2: 2000 psig	S4: SS304	03: 3/8"	FN: FEMALE NPT THREAD	(L) WITH LOCK
	BVL3: 3 PC FULL PORT CASTING BALL VALVE			04: 1/2"		
				06: 3/4"		
				08: 1"		
				012: 1-1/4"		
				014: 1-1/2"		
				016: 2"		

- Valves that have not been used for a long time may have a higher initial rotation torque
- Material: SS316L (ASTM A351 CF3M)
- Material: SS304 (ASTM A351 CF8)

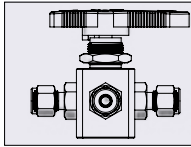
SWITCH VALVES



PRODUCT INFORMATION

- Size: 1/8"~1/4"
- Material complies with ASTM A276 / A182
- Designed for switching horizontal flow direction
- Connection type: JPE Tube End
- MAX working pressure: 6000 psig (414bar) @RT
- FKM and PEEK packing as standard, and PTFE packing as option
- 100% functional test and closure test with nitrogen at 1000psig

TYPE



BVX Switch Valves

ORDERING INFORMATION

C -	22BVX -	S6 -	02	J -	3P
CLASSIFICATION	VALVE TYPE	MATERIAL	SIZE (FRACTIONAL)	CONNECTION TYPE	@RT WORKING PRESSURE
C: VALVES	22BVX: 22BVX SWITCH VALVE	S6: SS316L	01: 1/8"	J: JPE TUBE END	3P: 3000psig
			02: 1/4"		
			03: 3/8"		
			04: 1/2"		
			06: 3/4"		
			08: 1"		

- Valves that have not been used for a long time may have a higher initial rotation torque
- Purchase pneumatic actuator, add -AXXX at the end of JPE product name. EX: C-22BVX-S6-02J-3P-AVSO

ORDERING INFORMATION FOR PNEUMATIC ACTUATOR

A	V	S	O
A: PNEUMATIC ACTUATOR	V: ROTATION ANGLE 90°	S: SINGLE ACTING	O: AIR-TO-CLOSE (NORMALLY OPEN)
	H: ROTATION ANGLE 180° (NOT APPLICABLE TO SINGLE ACTING)	D: DOUBLE ACTING	C: AIR-TO-OPEN (NORMALLY CLOSED)

3 WAY CASTING DIVERTER VALVES



PRODUCT INFORMATION

- This product can be used for liquid cylinder
- Divert the flow channel for assembling or testing the relief valve or rupture discs, no need to empty the pipe
- On/off service and diverter service with 3 way pattern
- Applicable temperatre: -320 °F ~212 °F (-196°C ~100°C)
- MAX working pressure:1000 psig (69bar) @RT
- 100% functional test and closure test with nitrogen at 500psig

TYPE



ORDERING INFORMATION

C -	LTBVLHT -	S6 -	04	FN-	04	FN
CLASSIFICATION	VALVE TYPE	MATERIAL	INLET SIZE (FRACTIONAL)	INLET TYPE	OUTLET SIZE (FRACTIONAL)	OUTLET TYPE
C: VALVES	LTBVLHT: 3 WAY CASTING DIVERTER VALVE	S6:SS316L	04:1/2"	FN:FEMALE NPT THREAD	04:1/2"	FN:FEMALE NPT THREAD
UW: UNION WELDING						

- 1/4" NPT plug as standard
- Purchase 1/4" NPT bleed valve, add -JSC02 at the end of JPE product name. EX:C-LTBVLHT-S6-04FN-04FN-JSC02
- Purchase inlet 1/2" union welding , add 04UW- into JPE product name. EX:C-LTBVLHT-S6-04UW-04FN

CHECK VALVES



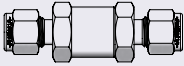
PRODUCT INFORMATION

- Inline check valve stops reversed flow in order to protect instrument
- Arrow on body indicates flow direction, easy to install
- Connection type: JPE Tube End and Male/Female Thread
- MAX working pressure: 3000 psig (207bar) / 6000 psig (414bar) @RT
- FKM packing as standard, and other materials as options • 100% functional test and closure test with nitrogen at 500psig

Unit:psig

CRACKING PRESSURE	CRACKING PRESSURE RANGE	CLOSING PRESSURE
1	4 ↓	6 ↓
10	7~15	3 ↑
25	20~30	17 ↑

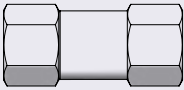
TYPE



CV-JPE Tube End



CV-Male Thread



CV-Female Thread

ORDERING INFORMATION

C -

CV -

S6 -

02

J -

CLASSIFICATION

PRODUCT NAME

MATERIAL

SIZE
(FRACTIONAL)

SIZE
(METRIC)

CONNECTION TYPE

C: VALVES

CV: CHECK VALVE

S6: SS316L

01: 1/8"

6: 6mm

J: JPE TUBE END

02: 1/4"

8: 8mm

MR: MALE BSPT THREAD

03: 3/8"

10: 10mm

FR: FEMALE BSPT THREAD

04: 1/2"

12: 12mm

MN: MALE NPT THREAD

06: 3/4"

14: 14mm

FN: FEMALE NPT THREAD

08: 1"

16: 16mm

18: 18mm

20: 20mm

22: 22mm

25: 25mm

1#

(V)

CRACKING PRESSURE

PACKING
MATERIAL

1#:1 psig

V:FKM

10#:10 psig

EP:EPDM

25#:25 psig

N:NBR

F:FFKM

T:PTFE

* PTFE PACKING IS NOT APPLICABLE WHEN DIFFERENTIAL PRESSURE BETWEEN THE UPSTREAM AND
DOWNSTREAM SIDES IS LESS THAN 250 psig

INSTRUMENT NEEDLE VALVES SERIES



PRODUCT INFORMATION

- Forged Needle Valves NV11 / NV12 / NV11L
- Union Bonnet Needle Valves NV33

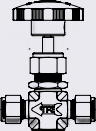
FORGED NEEDLE VALVES NV11 / NV12



PRODUCT INFORMATION

- Forged body, available with 2 way and angle pattern. Body material complies with ASTM A182 SS316L, JIS H3250 C3771
- Black phenolic resins handle as standard, aluminum T type handle as option
- Panel mountable
- Connection type: JPE Tube End and Male/Female Thread
- MAX working pressure: Brass 3000 psig (207bar) @RT, Stainless steel 6000 psig (414bar) @RT
- PTFE packing as standard
- 100% functional test and closure test with nitrogen at 1000psig
- Oil free / oxygen clean needle valve, fugitive emission needle valve and needle valve with pin as options

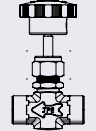
TYPE



NV11-JPE Tube End



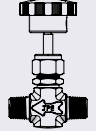
NV12-JPE Tube End



NV11-Female Thread



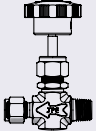
NV12-Female Thread



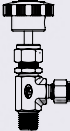
NV11-Male Thread



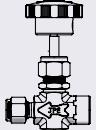
NV12-Male Thread



NV11-Male Thread x
JPE Tube End



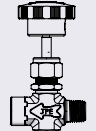
NV12-Male Thread x
JPE Tube End



NV11-Female Thread x
JPE Tube End



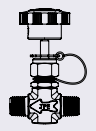
NV12-Female Thread x
JPE Tube End



NV11-Male Thread x
Female Thread



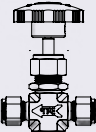
NV12-Male Thread x
Female Thread



NV11-Male Thread-with pin



NV12-JPE Tube End-with Pin



NV11L-JPE Tube End

OIL FREE FORGED NEEDLE VALVES NV11 / NV12 / NV11L

PRODUCT INFORMATION

- Oil free / oxygen clean, suitable for applications in gas industry and cryogenic systems
- Purchase this type, insert OF into JPE product name.

EX:C-NV11OF-S6-02J-T

FORGED FUGITIVE EMISSION NEEDLE VALVES NV11 / NV12

PRODUCT INFORMATION

- ISO 15848-1 Industrial valves - Measurement, test and qualification procedures for fugitive emissions certified
- Purchase this type, insert FE into JPE product name.

EX:C-NV11FE-S6-02J-T

- Purchase fugitive emission and oil free type, insert FEOF into JPE product name. EX:C-NV11FE0F-S6-02J-T
-

FORGED NEEDLE VALVES NV11 / NV12 / NV11L WITH PIN

PRODUCT INFORMATION

- Device for preventing misoperation
- Purchase this accessory, insert -CX into JPE product name.

EX:C-NV11-S6-02MN-T-CX

ORDERING INFORMATION

C -

NV

1

1 -

S6 -

02

CLASSIFICATION	PRODUCT NAME	VALVE TYPE	VALVE PATTERN	MATERIAL	SIZE (FRACTIONAL)	SIZE (METRIC)
C: VALVES	NV: NEEDLE VALVE	1: FORGED	1: INLINE PATTERN	S6: SS316L	01: 1/8"	6: 6mm
			2: ANGLE PATTERN	BR: C3771	02: 1/4"	8: 8mm
			1FE: INLINE PATTERN WITH FUGITIVE EMISSION		03: 3/8"	10: 10mm
			2FE: ANGLE PATTERN WITH FUGITIVE EMISSION		04: 1/2"	12: 12mm
			10F: OIL FREE INLINE PATTERN			
			20F: OIL FREE ANGLE PATTERN			
			1L: INLINE PATTERN LIGHT			
			1LOF: OIL FREE INLINE PATTERN LIGHT			

• NV11L only has 02J / 03J / 6mm

J - T - (CX)

CONNECTION TYPE PACKING

J:JPE TUBE END T:PTFE (CX):WITH PIN

MR:MALE BSPT THREAD

FR:FEMALE BSPT THREAD

MN:MALE NPT THREAD

FN:FEMALE NPT THREAD

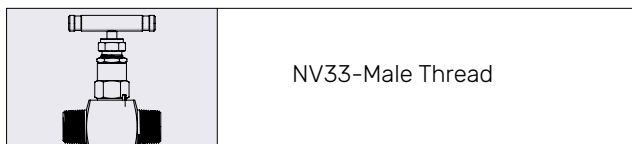
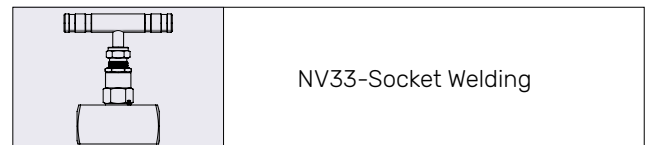
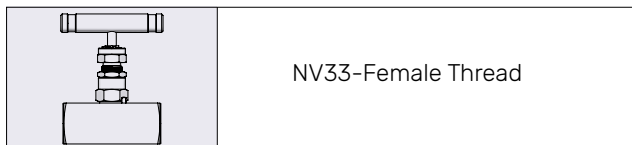
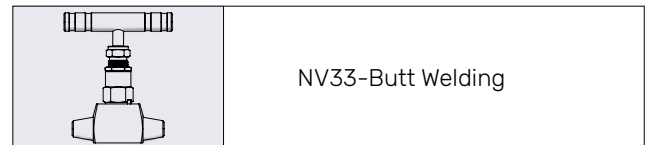
UNION BONNET NEEDLE VALVES NV33



PRODUCT INFORMATION

- Cold draw bar body, material complies with ASTM A276 / A479
- Aluminum T type handle as standard, stainless steel handle as option
- Connection type: JPE Tube End, Male/Female Thread, Socket Welding, Butt Welding and Union Welding
- MAX working pressure: 6000 psig (414bar) @RT
- PTFE packing as standard, and Graphite packing as option
- 100% functional test and closure test with nitrogen at 1000psig
- Oil free / oxygen clean needle valve and fugitive emission needle valve as options

TYPE



ORDERING INFORMATION

C -	NV	3	3 -	S6 -
CLASSIFICATION	PRODUCT NAME	VALVE TYPE	VALVE PATTERN	材質 MATERIAL

C: VALVES	NV: NEEDLE VALVE	3: BAR STOCK	3: INLINE PATTERN	S6: SS316L
			3P: INLINE PATTERN WITH VENT	C276: ALLOY C276
			3FE: INLINE PATTERN WITH FUGITIVE EMISSION	
			3PFE: INLINE PATTERN WITH VENT AND FUGITIVE EMISSION	
			3OF: OIL FREE INLINE PATTERN	
			3POF: OIL FREE INLINE PATTERN WITH VENT	
			3FEOF: OIL FREE INLINE PATTERN WITH FUGITIVE EMISSION	
			3PFEOF: OIL FREE INLINE PATTERN WITH VENT AND FUGITIVE EMISSION	

- Change to stainless steel handle. Insert (BSS6) into JPE product name. EX: C-NV33-S6-02J-T-D6(BSS6)
- Graphite packing cannot be used for oil free needle valve

FUGITIVE EMISSION UNION BONNET NEEDLE VALVES
NV33

PRODUCT INFORMATION

- ISO 15848-1 Industrial valves – Measurement, test and qualification procedures for fugitive emissions certified
- Purchase this type, insert FE into JPE product name.
EX: C-NV33FE-S6-04J-G-D8

02

J -

T -

D6

SIZE

SIZE

CONNECTION TYPE

PACKING

ORIFICE

(FRACTIONAL)

(METRIC)

01:1/8"

6:6mm

J:JPE TUBE END

T:PTFE

D6 :6mm

02:1/4"

8:8mm

MR:MALE BSPT THREAD

G:GRAPHITE

D8 :8mm

03:3/8"

10:10mm

FR:FEMALE BSPT THREAD

D10:10mm

04:1/2"

12:12mm

MN:MALE NPT THREAD

D12:12mm

06:3/4"

14:14mm

FN:FEMALE NPT THREAD

D15:15mm

08:1"

15:15mm

BW:BUTT WELDING

16:16mm

SW:SOCKET WELDING

18:18mm

UW:UNION WELDING

20:20mm

22:22mm

25:25mm

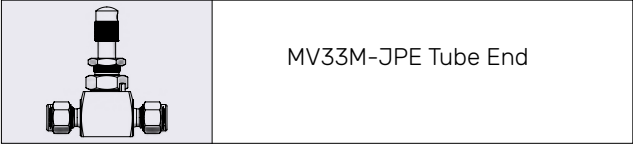
METERING VALVES



PRODUCT INFORMATION

- Cold draw bar body, material complies with ASTM A276 / A479
- Precise flow control and shut-off design
- Panel mountable with bottom mounting hole
- Blow-Out Proof
- Connection type: JPE Tube End and Male/Female Thread
- MAX working pressure: 2000 psig (138bar) @RT
- 100% functional test and closure test with nitrogen at 500psig
- Orifice 1.4mm, stem taper 3°
- Shut-off design

TYPE



ORDERING INFORMATION

C -	MV33	M -	S6 -	02		J	(V)
CLASSIFICATION	PRODUCT NAME	VALVE PATTERN	MATERIAL	SIZE (FRACTIONAL)	SIZE (METRIC)	CONNECTION TYPE	PACKING MATERIAL
C: VALVES	MV33: METERING VALVE	M: M TYPE	S6: SS316L	01: 1/8"	3: 3mm	J: JPE TUBE END	V: FKM
				015: 3/16"	4: 4mm	MR: MALE BSPT THREAD	EP: EPDM
				02: 1/4"	6: 6mm	FR: FEMALE BSPT THREAD	N: NBR
						MN: MALE NPT THREAD	F: FFKM
						FN: FEMALE NPT THREAD	
						*FEMALE THREAD ONLY HAS 1/8"	

RISING PLUG VALVES



PRODUCT INFORMATION

- Cold draw bar body, material complies with ASTM A276 / A479
- Straight-through orifice for maximum flow
- Particles do not block easily and low torque for longer service life
- Connection type: JPE Tube End
- MAX working pressure: 3000 psig (207bar) @RT
- PTFE packing as standard
- 100% functional test and closure test with nitrogen at 500psig

TYPE



ORDERING INFORMATION

C -	RPV -	S6 -	02		J	T
CLASSIFICATION	PRODUCT TYPE	MATERIAL	SIZE (FRACTIONAL)	SIZE (METRIC)	CONNECTION TYPE	PACKING
C: VALVES	RPV: RISING PLUG VALVE	S6: SS316L	02: 1/4"	6: 6mm	J: JPE TUBE END	T: PTFE

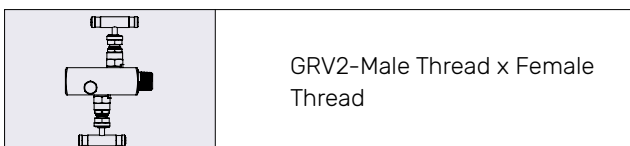
GAUGE VALVES



PRODUCT INFORMATION

- Cold draw bar body, material complies with ASTM A276 / A479
- JPE gauge valves are designed for impulse line system and transmitter applications
- JPE gauge valves with multiports configuration, built-in calibration valve, and isolation valve
- Provide easy assembly and perform calibration, isolation and bleed of gauges, pressure switches and static pressure instruments
- PTFE packing as standard, and Graphite packing as option
- 100% functional test and closure test with nitrogen at 1000psig

TYPE



ORDERING INFORMATION

C -

GRV -

S6 -

L -

04

MR

CLASSIFICATION PRODUCT NAME MATERIAL VALVE PATTERN INLET SIZE (FRACTIONAL) INLET CONNECTION TYPE

C: VALVES	GRV: GAUGE VALVE	S6: SS316L	L: EXTENSION BODY	02: 1/4"	MR: MALE BSPT THREAD
	GRV2: GAUGE DUAL VALVE		S: SHORT BODY	03: 3/8"	FR: FEMALE BSPT THREAD
			*NULL FOR GRV2 SERIES	04: 1/2"	MN: MALE NPT THREAD
				06: 3/4"	FN: FEMALE NPT THREAD

04

FR -

T -

D4

OUTLET SIZE
(FRACTIONAL)

OUTLET CONNECTION TYPE

PACKING

ORIFICE

02:1/4"

MR:MALE BSPT THREAD

T:PTFE

D4 :4mm

03:3/8"

FR:FEMALE BSPT THREAD

G:GRAPHITE

D6 :6mm

04:1/2"

MN:MALE NPT THREAD

06:3/4"

FN:FEMALE NPT THREAD

BLEED VALVES



PRODUCT INFORMATION

- Cold draw bar body, material complies with ASTM A276 / A479
- Designed for bleed / vent

TYPE



ORDERING INFORMATION

BS6 -	JSC	04	N
CLASSIFICATION & MATERIAL	PRODUCT NAME	THREAD SIZE	THREAD TYPE
BS6:SS316L	JSC:BLEED VALVE	02:1/4"	R:BSPT THREAD
		03:3/8"	N:NPT THREAD
		04:1/2"	

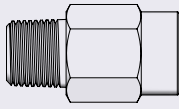
PROPORTIONAL RELIEF VALVES



PRODUCT INFORMATION

- Proportional relief valve opens when system pressure reaches the set pressure
- Suitable for liquid and gas
- High-pressure type set pressures from 50 to 6000 psig; low-pressure type set pressures from 10 to 300 psig
- Various springs as options to meet set pressure
- With lock device ensures set pressure adjustment preventing misoperation
- FKM packing as standard, and other materials as options • 100% functional test and closure test with nitrogen

TYPE

	RV12-JPE Tube End		RV-Male Thread x Female Thread
	RLV12-JPE Tube End		

SPECIFICATIONS

HIGH-PRESSURE TYPE SET PRESSURE psig (bar)

TYPE	
50(3.4) ~ 350(24.1)	A
350(24.1) ~ 750(51.7)	B
750(51.7) ~ 1500(103)	C
1500(103) ~ 2500(172)	D
2500(172) ~ 4000(275)	E
4000(275) ~ 6000(414)	F

LOW-PRESSURE TYPE SET PRESSURE psig (bar)

TYPE	
10(0.7) ~ 30(2.1)	A
30(2.1) ~ 100(6.9)	B
100(6.9) ~ 300(20.6)	C

ORDERING INFORMATION

C -

RV12 -

S6 -

02 -

CLASSIFICATION

PRODUCT NAME

MATERIAL

SIZE
(FRACTIONAL)

SIZE
(METRIC)

C: VALVES

RV: INLINE PROPORTIONAL RELIEF VALVE

S6: SS316L

02: 1/4"

6: 6mm

RV12: ANGLE PROPORTIONAL RELIEF VALVE

03: 3/8"

8: 8mm

RLV12: PROPORTIONAL RELIEF LOW-PRESSURE VALVE

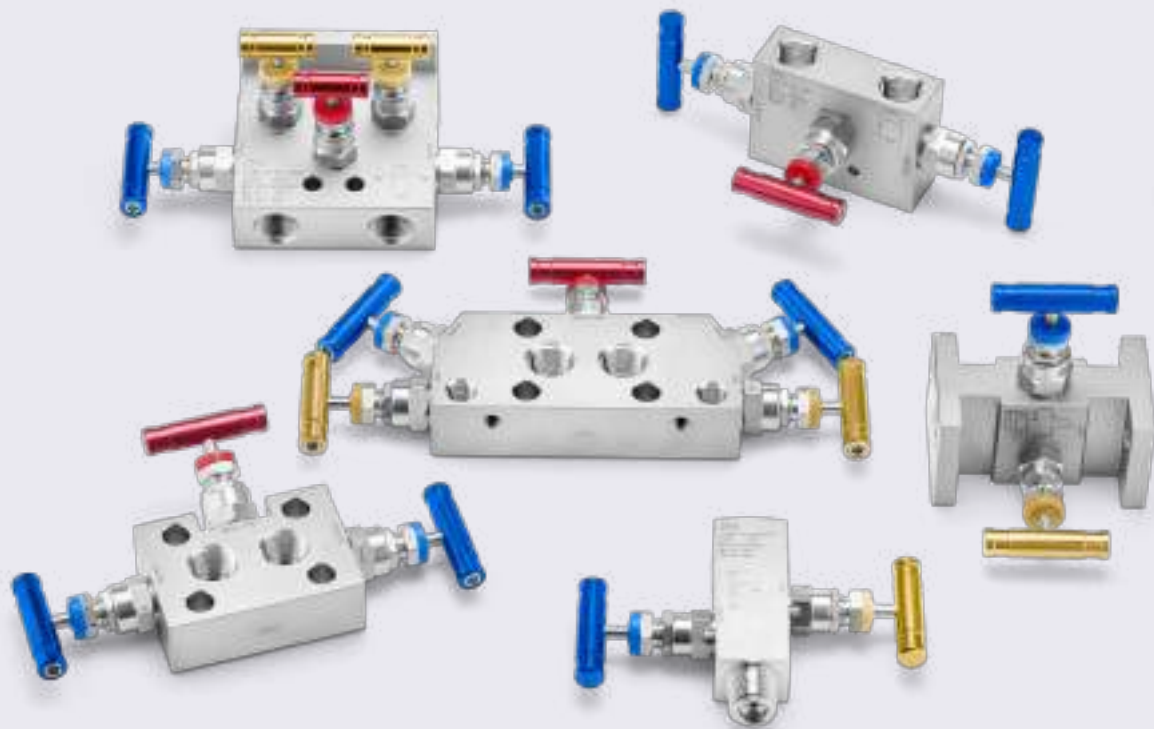
04: 1/2"

10: 10mm

12: 12mm

J -	A	(V)
CONNECTION TYPE	SET PRESSURE RANGE	PACKING MATERIAL
J:JPE TUBE END	A	V:FKM
MR:MALE BSPT THREAD	B	EP:EPDM
FR:FEMALE BSPT THREAD	C	N:NBR
MN:MALE NPT THREAD	D	F:FFKM
FN:FEMALE NPT THREAD	E	
	F	

VALVE MANIFOLDS



PRODUCT INFORMATION

- JPE valve manifolds: 2/3/5 Valve manifolds
- Available with Direct-mounting(pipe to flange & flange to flange)or Remote-mounting(pipe to pipe)
- Various types including: Thread End Block Type/ Single Flange T Type/Dual Flange H Type/ Single Block Type /For Pressure Transmitter Model 3051/Natural Gas Metering Pattern
- Cold draw bar, material complies with ASTM A276 / A479 or forged ASTM A182
- PTFE packing as standard, Graphite packing as option
- MAX Working Pressure: 6000 psig (414bar) @RT
- Design for isolation and bleed of differential pressure transmitter and liquid level applications
- 100% functional test and closure test with nitrogen at 1000psig

TYPE

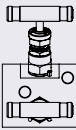
REMOTE MOUNTING



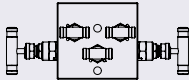
VM2 Thread End Block Type-
Female Thread



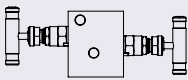
VM3 Thread End Block Type-
Female Thread



VM2 Thread End Block R1
Type-Female Thread

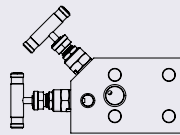


VM5 Thread End Block Type-
Female Thread

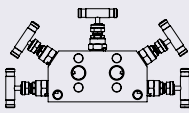


VM2 Thread End Block R2
Type-Female Thread

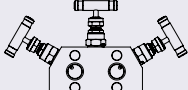
FOR PRESSURE TRANSMITTER MODEL 3051



VM2 For Pressure Transmitter
Model 3051-Female Thread

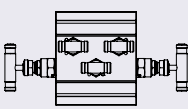


VM5 For Pressure Transmitter
Model 3051-Female Thread

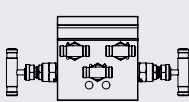


VM3 For Pressure Transmitter
Model 3051-Female Thread

NATURAL GAS METERING PATTERN

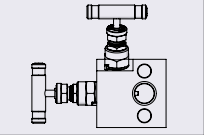
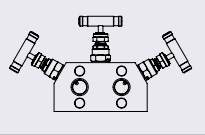
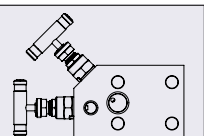
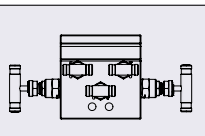
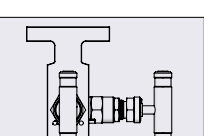
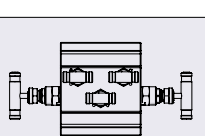
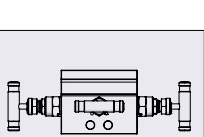
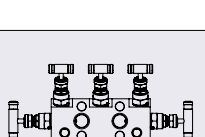
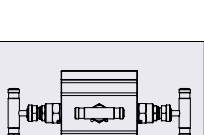
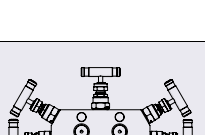
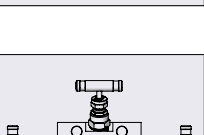


VM5 Natural Gas Metering Dual
Flange H Type



VM5 Natural Gas Metering
Single Flange T Type

DIRECT MOUNTING

	VM2 Single Block P2 Type- Female Thread		VM3 Single Block P1 Type- Female Thread
	VM2 Single Block P3 Type- Female Thread		VM5 Single Flange T Type- Female Thread
	VM2 Single Flange T Type- Female Thread		VM5 Dual Flange H Type
	VM3 Single Flange T Type- Female Thread		VM5 Single Block Type- Female Thread
	VM3 Dual Flange H Type		VM5 Single Block P1 Type- Female Thread
	VM3 Single Block Type- Female Thread		

ORDERING INFORMATION

C -

VM3 -

S6 -

T

T

CLASSIFICATION

PRODUCT NAME

MATERIAL

VALVE PATTERN

PACKING

C: VALVES

VM2: 2 VALVE MANIFOLDS

S6: SS316L

R: THREAD END BLOCK TYPE

T: PTFE

VM3: 3 VALVE MANIFOLDS

R1: THREAD END BLOCK R1 TYPE

G: GRAPHITE

VM5: 5 VALVE MANIFOLDS

R2: THREAD END BLOCK R2 TYPE

T: SINGLE FLANGE T TYPE

H: DUAL FLANGE H TYPE

P: SINGLE BLOCK TYPE

P1: SINGLE BLOCK P1 TYPE

P2: SINGLE BLOCK P2 TYPE

P3: SINGLE BLOCK P3 TYPE

GM: FOR PRESSURE TRANSMITTER MODEL 3051

N: NATURAL GAS METERING PATTERN

NH: NATURAL GAS METERING DUAL FLANGE H TYPE

NT: NATURAL GAS METERING SINGLE FLANGE T TYPE

• Flange Type: IEC 61518 Type B Flange

V -

04FN

STEM TYPE

CONNECTION TYPE

V:V-TIP NON-ROTATING STEM

04FR:1/2" FEMALE BSPT THREAD

04FN:1/2" FEMALE NPT THREAD

*NULL FOR H TYPE

MONOFLANGES SERIES



PRODUCT INFORMATION

- Monoflanges
- Process Valves
- Double Block & Bleed Valves

MONOFLANGES



PRODUCT INFORMATION

- Material complies with ASTM A276 SS316L
- Monoflange structure replaces multivalve assemblies with single, flange-mounted manifold configurations reduce potential leak points
- Compact construction, small volume and light weight
- Configuration: Single Block, Double Block, Single Block and Bleed, Block/Bleed/Block, Block/Block/Bleed
- PTFE packing as standard, Graphite packing as option • Compatible with ASME B16.5, HG/T 20615-2009, HG/T 20592-2009
- 100% functional test and closure test with nitrogen at 1000psig

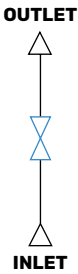
ORDERING INFORMATION

C -	MFV1 -	S6 -	B -	6	T
CLASSIFICATION	PRODUCT NAME	MATERIAL	CONFIGURATION	ORIFICE	PACKING
C: VALVES	MFV1: MONOFLANGE	S6: SS316L	A: SINGLE BLOCK	6: 6mm	T: PTFE
			B: DOUBLE BLOCK		G: GRAPHITE
			C/C1: SINGLE BLOCK AND BLEED		
			D: BLOCK/BLEED/BLOCK		
			D1: BLOCK/BLOCK/BLEED		

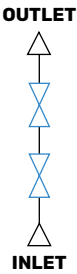
• For other custom demand, please contact authorized JPE representative

FLOW DIAGRAM

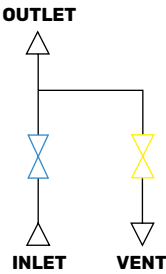
FLOW DIAGRAM OF A SERIES



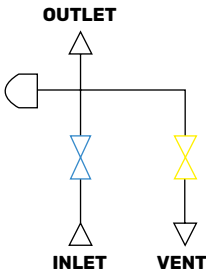
FLOW DIAGRAM OF B SERIES



FLOW DIAGRAM OF C SERIES

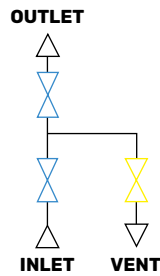


FLOW DIAGRAM OF C1 SERIES

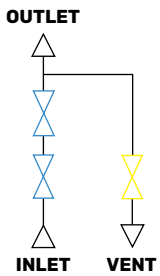


D15	RF	AM	9 -	04FN	04P
INLET SIZE/TYPE	FLANGE SEAL TYPE	FLANGE STANDARD	FLANGE PRESSURE RATING	OUTLET SIZE/TYPE	PLUG SIZE
D15:1/2" FLANGE	FF:FLAT FACE	AM:ASME B16.5	1:Class150	04FN:1/2"F NPT	02P:1/4" NPT
D20:3/4" FLANGE	RF:RAISED FACE	PN:HG/T 20592(PN)	3:Class300	06FN:3/4"F NPT	04P:1/2" NPT
D25:1" FLANGE	T:TONGUE FACE	CL:HG/T 20615(Class) (NOT INCLUDE Class400)	4:Class400	04BW:1/2"BUTT WELDING	*NULL FOR VALVES WITHOUT PLUGS; SUCH AS A、B CONFIGURATION
D40:1-1/2" FLANGE	G:GROOVE FACE		6:Class600	06BW:3/4"BUTT WELDING	
D50:2" FLANGE	RTJ:RING JOINT FACE		9:Class900	04SW:1/2"SOCKET WELDING	
			15:Class1500	06SW:3/4"SOCKET WELDING	
			25:Class2500		
			PN2.5		
			PN6		
			PN10		
			PN16		
			PN25		
			PN40		
			PN63		
			PN100		
			PN160		

FLOW DIAGRAM OF D SERIES



FLOW DIAGRAM OF D1 SERIES



PROCESS VALVES



PRODUCT INFORMATION

- Forged body, material complies with ASTM A182 F316L or ASTM A350 LF2-Carbon Steel
- Compact construction, small volume and light weight reduce potential leak points
- Easy installation
- PTFE packing as standard, Graphite packing as option
- 100% functional test and closure test with nitrogen at 1000psig

ORDERING INFORMATION

C - MFV2 - S6 - 6 T 04BW

CLASSIFICATION PRODUCT NAME MATERIAL ORIFICE PACKING INLET SIZE/TYPE

C:閥門類 MFV2:PROCESS VALVE S6:SS316L 6:6mm T:PTFE 04BW:1/2"BUTT WELDING
C:VALVES

A350:A350 LF2 8:8mm G:GRAPHITE 06BW:3/4"BUTT WELDING

08BW:1"BUTT WELDING

- For other custom demand, please contact authorized JPE representative
- Do not need to select flange seal type and flange pressure rating for thread



D15	RF	AM	9-	04P
OUTLET SIZE/TYPE	FLANGE SEAL TYPE	FLANGE STANDARD	FLANGE PRESSURE RATING	PLUG SIZE
D15:1/2" FLANGE	FF:FLAT FACE	AM:ASME B16.5	1:Class150	04P:1/2" NPT
D20:3/4" FLANGE	RF:RAISED FACE	PN:HG/T 20592(PN)	3:Class300	
D25:1" FLANGE	T:TONGUE FACE	CL:HG/T 20615(Class) (NOT INCLUDE Class400)	4:Class400	
D40:1-1/2" FLANGE	G:GROOVE FACE		6:Class600	
D50:2" FLANGE	RTJ:RING JOINT FACE		9:Class900	
04FN:1/2" FEMALE NPT THREAD			15:Class1500	
06FN:3/4" FEMALE NPT THREAD			25:Class2500	
			PN2.5	
			PN6	
			PN10	
			PN16	
			PN25	
			PN40	
			PN63	
			PN100	
			PN160	

DOUBLE BLOCK & BLEED VALVES



PRODUCT INFORMATION

- Forged body, material complies with ASTM A182 F316L, Inconel625...etc.
- Compact construction, small volume and light weight reduce potential leak points
- Minimize space and support configuration
- Single body reduces installation time and lower assembly and maintenance costs
- Configuration: Single Block and Bleed, Block/Bleed/Block, Block/Block/Bleed
- DBB valves replace traditional multivalve assemblies with single body combined with multi manifold configurations reduce over 30% potential leakage points
- Blow-Out Proof Stem
- FKM and PTFE packing as standard, and Graphite packing as option
- Connection: flange to flange/ thread to thread/ socket welding and butt welding
- Compatible with ASME B16.5, HG/T 20615-2009, HG/T 20592-2009
- 100% factory closure test, the high pressure closure test at 110% of the working pressure, and low-pressure closure test in accordance with API 598

ORDERING INFORMATION

C - DBB - S6 - C - BNB 20 T D50

CLASSIFICATION PRODUCT NAME MATERIAL CONFIGURATION CONSTRUCTION ORIFICE PACKING INLET SIZE/TYPE

C: VALVES DBB: DBB VALVE S6: SS316L C/C1: SINGLE BLOCK AND BLEED BNX: BALL VALVE- NEEDLE VALVE 6: 6mm T: PTFE D15: 1/2" FLANGE

A350: A350 LF2 D: BLOCK/BLEED/ BLOCK BNB: BALL VALVE-NEEDLE VALVE-BALL VALVE 8: 8mm G: GRAPHITE D20: 3/4" FLANGE

D1: BLOCK/BLOCK/ BLEED 10: 10mm D25: 1" FLANGE

20: 20mm D40: 1-1/2" FLANGE

D50: 2" FLANGE

04FN: 1/2" FEMALE NPT THREAD

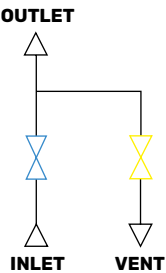
06FN: 3/4" FEMALE NPT THREAD

04FR: 1/2" FEMALE BSPT THREAD

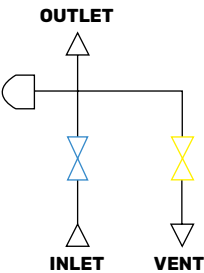
06FR: 3/4" FEMALE BSPT THREAD

FLOW DIAGRAM

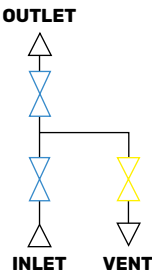
FLOW DIAGRAM OF C SERIES



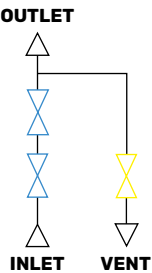
FLOW DIAGRAM OF C1 SERIES



FLOW DIAGRAM OF D SERIES



FLOW DIAGRAM OF D1 SERIES



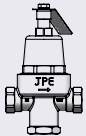
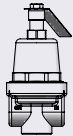
RF	AM	9-	D15	RTJ	AM	9 -	02P
FLANGE SEAL TYPE	FLANGE STANDARD	FLANGE PRESSURE RATING	OUTLET SIZE/TYPE	FLANGE SEAL TYPE	FLANGE STANDARD	FLANGE PRESSURE RATING	PLUG SIZE
FF:FLAT FACE	AM:ASME B16.5	1:Class150	D15:1/2" FLANGE	FF:FLAT FACE	AM:ASME B16.5	1:Class150	02P:1/4" NPT
RF:RAISED FACE	PN:HG/T 20592 (PN)	3:Class300	D20:3/4" FLANGE	RF:RAISED FACE	PN:HG/T 20592(PN)	3:Class300	04P:1/2" NPT
T:TONGUE FACE	CL:HG/T 20615(Class)	4:Class400	D25:1" FLANGE	T:TONGUE FACE	CL:HG/T 20615(Class)	4:Class400	
(NOT INCLUDE Class400)			(NOT INCLUDE Class400)				
G:GROOVE FACE		6:Class600	D40:1-1/2" FLANGE	G:GROOVE FACE		6:Class600	
RTJ:RING JOINT FACE		9:Class900	D50:2" FLANGE	RTJ:RING JOINT FACE		9:Class900	
		15:Class1500	04FN:1/2" FEMALE NPT THREAD			15:Class1500	
		25:Class2500	06FN:3/4" FEMALE NPT THREAD			25:Class2500	
		PN2.5	04FR:1/2" FEMALE BSPT THREAD			PN2.5	
		PN6				PN6	
		PN10				PN10	
		PN16	06FR:3/4" FEMALE BSPT THREAD			PN16	
		PN25				PN25	
		PN40				PN40	
		PN63				PN63	
		PN100				PN100	
		PN160				PN160	

- If the inlet type and outlet type are the same, it is possible to write just one.
Ex: C-DBB-S6-C-BNB25TD50RF9-D50RF9-02P to C-DBB-S6-C-BNB25TD50RF9-02P
- Please combine the 3 digitals you select as the valve construction code. If there are only one or two digitals to be selected, please use "X" to complete the code as 3rd digital. Ex: BN"X"

PRODUCT INFORMATION

- This product is designed for liquid cylinder
 - Designed for industrial cryogenic container to regulate pressure
 - Material of forged body :Brass C3771
 - Pressure-Reducing Regulator and Pressure-Boosting Regulator as options
 - With scale to easily adjust
 - Oil free / oxygen clean
-

TYPE

	C-LTVK-Female Thread		C-LTVKPR-Female Thread
---	----------------------	---	------------------------

ORDERING INFORMATION

C -	LTVK -	BR -	04	FN
CLASSIFICATION	PRODUCT NAME	MATERIAL	THREAD SIZE	THREAD TYPE
C: VALVES	LTVK: CRYOGENIC PRESSURE- BOOSTING REGULATOR	BR: BRASS C3771	04: 1/2"	FN: FEMALE NPT THREAD
	LTVKPR: CRYOGENIC PRESSURE- REDUCING REGULATOR			

PRESSURE REDUCING REGULATORS



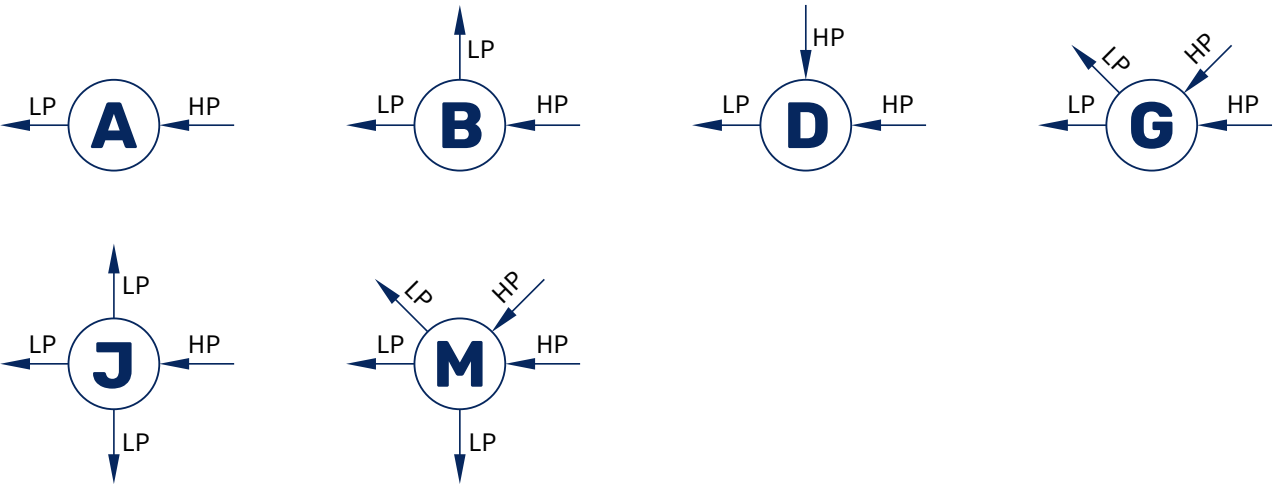
PRODUCT INFORMATION

- Body female thread 1/4"~1" pass in and out gas interface
- Piston regulator, one-stage diaphragm regulator and two-stage diaphragm regulator
- Body material:SS316L
- Multiple body port configurations are available
- Application:Labs, petrochemical industry and test equipment etc.
- Suitable for pure gas, corrosive gas and liquid

ORDERING INFORMATION

F - R11 -	S6 -	B	D	F
CLASSIFICATION & SERIES	BODY MATERIAL	PORT CONFIGURATION	MAX. INLET PRESSURE @RT	PRESSURE CONTROL RANGE @RT
F-R11 / 12 / 13:ONE-STAGE DIAPHRAGM	S6:SS316L	A:1HP / 1LP	B:10000 psig	*CUSTOMIZED
F-R31:TWO-STAGE DIAPHRAGM		B:1HP / 2LP	C:6000 psig	
F-R41 / 42 / 43:PISTON		D:2HP / 1LP	D:3000 psig	
		G:2HP / 2LP	E:1500 psig	
		J:1HP / 3LP	F:500 psig	
		M:2HP / 3LP		
		*HP:HIGH PRESSURE INLET		
		*LP:LOW PRESSURE OUTLET		

BODY PORT CONFIGURATION





G-	02	02 -	P
PRESSURE GAUGE	INLET PORT	OUTLET PORT	OPTIONS
G:WITH GAUGE(Mpa)	R2:1/4" FEMALE PT THREAD	R2:1/4" FEMALE PT THREAD	P:PANEL MOUNTING
P:WITH GAUGE(psig / Bar)	03:3/8" FEMALE NPT THREAD	03:3/8" FEMALE NPT THREAD	
W:NO GAUGE	04:1/2" FEMALE NPT THREAD	04:1/2" FEMALE NPT THREAD	
	06:3/4" FEMALE NPT THREAD	06:3/4" FEMALE NPT THREAD	
	08:1" FEMALE NPT THREAD	08:1" FEMALE NPT THREAD	
	*OTHER CONNECTION AS OPTIONS	*OTHER CONNECTION AS OPTIONS	

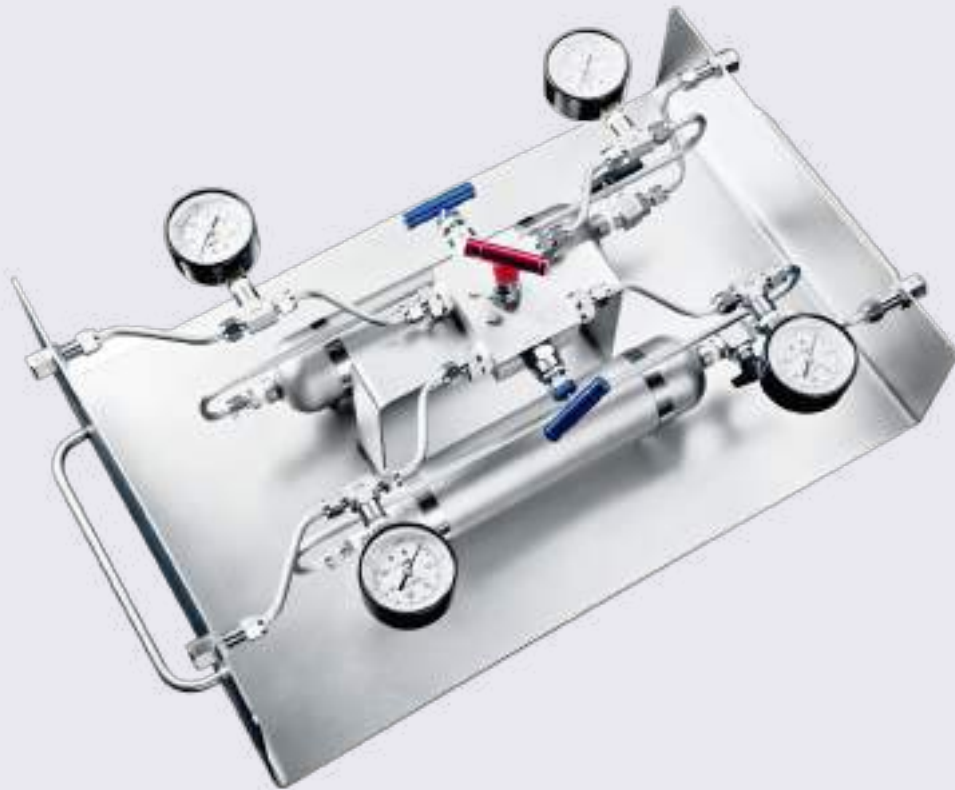
SAMPLING SYSTEMS

PRODUCT FEATURE

JPE Sampling Systems are designed and manufactured with the high-quality and reliable components from JPE. Besides, the instrumentations such as pressure gauges, meters or flow indicators are also available for additional accessories. Through the customizations and high efficiency, JPE is able to meet clients' requirements. Portable device can do sampling directly on site without any other sampling station.

JPE Sampling Systems are semi-automatic. After samples enter directly into the sealed sampling bottle, disconnecting the quick coupling and then take the sealed sampling bottle to the laboratory for analysis, which can minimize the risk of leakage.

SAMPLING DEVICES



PRODUCT INFORMATION

- Designed for process pipe sampling
- Customized products based on different services
- High efficiency, meet your specific application and needs
- Portable device can do sampling directly on site without any other sampling station
- Design and manufacture with the high-quality and reliable components from JPE
- Additional instrumentation is available, including pressure gauges, meters or flow indicators
- 100% functional test and closure test with nitrogen at 1000psig or the high pressure closure test if the working pressure less than 1000 psig

SAMPLING BOTTLES



PRODUCT INFORMATION

- Stainless Steel Single-Ended Sampler and Double-Ended Sampler as options
 - Stainless Steel Sampler made of seamless tube provides consistent wall thickness, size, and capacity
 - Full-penetration argon gas tungsten arc-weld provides leak-tight sample containment
 - Glass sampling bottles are available
-

ORDERING INFORMATION

HS6 -	QYGS	02	FN -	1000ml -	2P
CLASSIFICATION & MATERIAL	PRODUCT NAME	THREAD SIZE	THREAD TYPE	SAMPLER CAPACITY	WORKING PRESSURE
HS6:SS316L	QYGS:SINGLE-ENDED SAMPLER	02:1/4"	FR:FEMALE BSPT THREAD	150ml	2P:2000 psig
HS4:SS304	QYGD:DOUBLE-ENDED SAMPLER		FN:FEMALE NPT THREAD	300ml	5P:5000 psig
				500ml	
				1000ml	

- For other custom demand, please contact authorized JPE representative
-

ORDERING INFORMATION FOR GLASS SAMPLING BOTTLE

F -	QYP	100
CLASSIFICATION	PRODUCT NAME	SAMPLER CAPACITY
F:F	QYP:GLASS SAMPLING BOTTLE	100ml
		250ml
		500ml

- For other custom demand, please contact authorized JPE representative

HOSES & TUBES

PRODUCT FEATURE

JPE stocks and provides clients with wide range of tubes and end connections. The sizes and connections can be chosen according to clients' actual requirements. Tubes include Bright Annealed Stainless Steel Seamless Tubing, Stainless Steel Flexible Hoses, PU Hoses & PU Spiral Hoses, PTFE Hoses, PFA Hoses, Stainless Steel Braided Teflon Hoses, Polyurethane Nylon Braided Hoses, PVC Fiber Reinforced Hoses, etc.

The proper flexible tubes selection should consider the type of material and min. & max. temperature and pressure (within and outside the tube). Besides, the route and the movement (dynamic or static) of tube system will also affect the length of tube system and the end connection. Use of hose and tube within applications and handling practices will affect how it performs over time. Performance claimed in the catalog such as burst pressure, working pressure only applies to never-used products. For this reason, system maintenance and replacement schedules should be considered.

STAINLESS STEEL SEAMLESS TUBING



PRODUCT INFORMATION

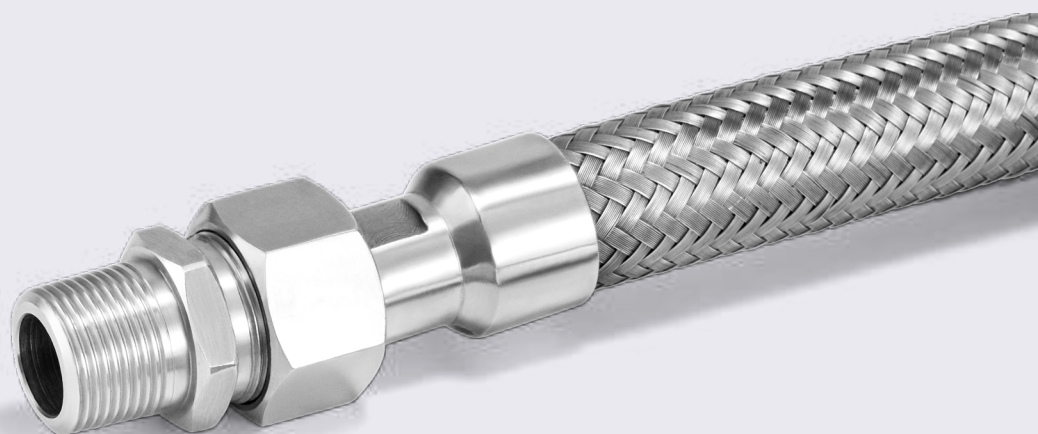
- Tubes for standard instrument system
- Fully annealed 304 / 316L stainless steel tubes
- Complying with ASTM A213 / A269

ORDERING INFORMATION

DS6L -	12 *		2 -	BAP
CLASSIFICATION & MATERIAL	O.D. SIZE (FRACTIONAL)	O.D. SIZE (METRIC)	WALL THICKNESS (mm)	SURFACE TREATMENT
DS6L:SS316L	3.175:1/8"	3:3 mm	0.89:0.89 mm (0.035")	BAP:BRIGHT ANNEALED AND POLISHED
DS4:SS304	6.35:1/4"	4:4 mm	1.24:1.24 mm (0.049")	
	9.53:3/8"	6:6 mm	1.5:1.5 mm (0.059")	
	12.7:1/2"	8:8 mm	1.65:1.65 mm (0.065")	
	19.05:3/4"	10:10 mm	1:1 mm	
	25.4:1"	12:12 mm	2:2 mm	
		14:14 mm	2.11:2.11 mm (0.083")	
		16:16 mm		
		18:18 mm		
		20:20 mm		
		22:22 mm		
		25:25 mm		

• Standard length is 6M / each ; 3mm、1/8"、4mm is 3M/each

STAINLESS STEEL FLEXIBLE HOSES



PRODUCT INFORMATION

- Suitable for most corrosive liquids, and oil/water resistant
- SS304 / 316L stainless steel annular corrugated lining
- Braid layers of 304 stainless steel promotes hose pressure containment
- Argon gas tungsten arc welding (GTAW/TIG)
- Working temperature range: -200°C ~ 400°C
- 100% functional test and closure test with nitrogen at 1000psig or custom-pressure no more than 150% working pressure

ORDERING INFORMATION

D -

S4 -

Y501 -

04

CLASSIFICATION

MATERIAL

ADAPTER TYPE

ADAPTER SIZE
(FRACTIONAL)

ADAPTER SIZE
(METRIC)

D:HOSES & TUBES

S6:SS316L

Y501:FIXED THREAD CONNECTION TYPE

02:1/4"

6:6 mm

S4:SS304

Y502:NON-WELDING UNION TYPE

03:3/8"

8:8 mm

Y503M:WELDING METAL SEAL CONNECTION
TYPE (MALE THREAD)

04:1/2"

10:10 mm

Y503F:WELDING METAL SEAL CONNECTION
TYPE (FEMALE THREAD)

06:3/4"

12:12 mm

Y504:FEMALE SWIVEL END TYPE

08:1"

16:16 mm

Y505:TUBE END TYPE

18:18 mm

Y506:JPE COMPRESSION TUBE END TYPE

20:20 mm

22:22 mm

25:25 mm

N -

6A -

120

THREAD TYPE

HOSE NOMINAL
DIAMETERDIAMETER OVERALL LENGTH
WITH FITTING (cm)

R: BSPT THREAD

6A: 1/8"

*CUSTOMIZED

N: NPT THREAD

8A: 1/4"

G: BSPP THREAD

10A: 3/8"

*NULL FOR FEMALE SWIVEL END
TYPE

15A: 1/2"

20A: 3/4"

25A: 1"

32A: 1 1/4"

40A: 1 1/2"

50A: 2"

PU HOSES & PU SPIRAL HOSES



PRODUCT INFORMATION

- Made of TPU virgin Material
- Smooth inner wall reduces flow resistance and stable size tolerance
- High flexibility and elasticity, small bend radius, easy to install and cut
- Applications: All kinds of pneumatic tools, pneumatic and hydraulic machinery, automobile industry, factory equipment and machinery, paint, construction and all kinds of mobile tools
- Working temperature rating: $-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- Anti-abrasive and strong machinery performance
- PU Hose and PU Spiral Hose as options
- Colors are available in black, blue, orange and yellow

ORDERING INFORMATION FOR PU HOSE

Unit:mm

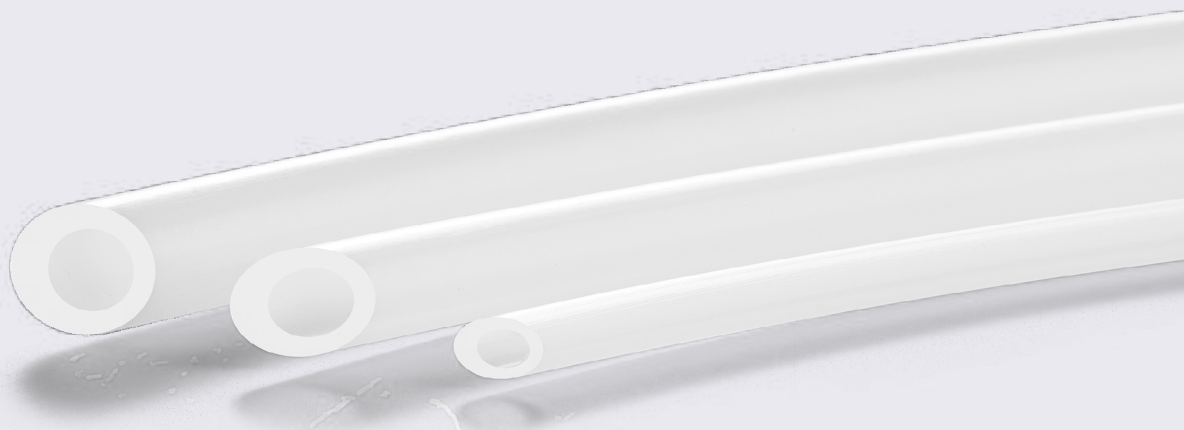
D -	PU	8 * 6 -	BL
CLASSIFICATION	PRODUCT NAME	HOSE SIZE (O.D.*I.D.)	COLOR
D:HOSES & TUBES	PU:PU HOSE	4 * 2.5	B:BLACK
		6 * 4	BL:BLUE
		8 * 5	O:ORANGE
		8 * 6	Y:YELLOW
		10 * 6.5	
		10 * 8	
		12 * 8	
		12 * 10	
		14 * 10	
		16 * 12	
		16 * 13	
		6.35 * 4.57	
		9.53 * 6.5	
		12.7 * 9.6	

• NOTE:Size 4*2.5, 6*4 and 6.35*4.57 are 200M/coil, and other sizes are 100M/coil.

ORDERING INFORMATION FOR PU SPIRAL HOSES

D -	PUS	8 * 5	*6 -	BL
CLASSIFICATION	PRODUCT NAME	HOSE SIZE (O.D.*I.D.)	LENGTH	COLOR
D:HOSES & TUBES	PUS :PU SPIRAL HOSE	6 * 4	6:6M	B:BLACK
		8 * 5	9:9M	BL:BLUE
		10 * 6.5	12:12M	O:ORANGE
		12 * 8	15:15M	Y:YELLOW

PTFE HOSES



PRODUCT INFORMATION

- Good chemical resistance
- Excellent dielectric insulation properties
- Low coefficient of friction
- Anti-adherence
- Working temperature range: -70°C ~260°C

APPLICATIONS

- Semi-conductor industry / Medical apparatus and pharmaceutical industry / Heat exchanger / Food industry

ORDERING INFORMATION

Unit:mm

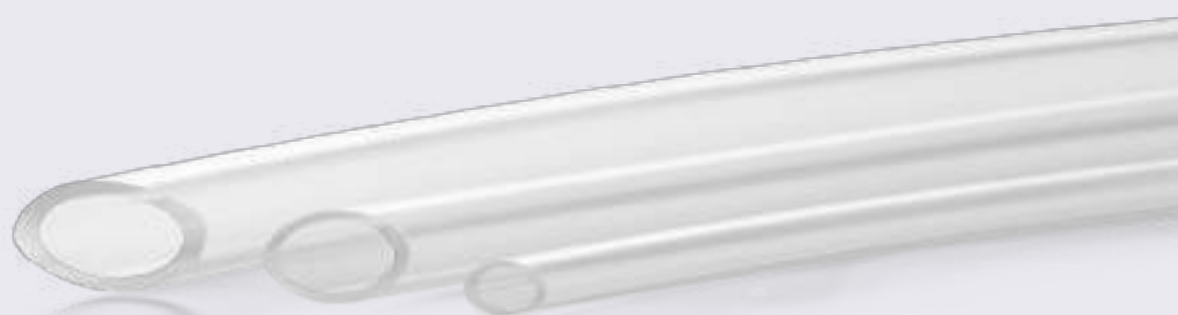
D - PTFE 10 * 8

CLASSIFICATION PRODUCT NAME HOSE SIZE (O.D.*I.D.)

D:HOSES & TUBES	PTFE:PTFE HOSE	4 * 2
		6 * 4
		8 * 6
		10 * 8
		12 * 10
		3.18 * 1.6
		6.35 * 3.18
		6.35 * 4
		6.35 * 4.75
		9.53 * 6.35
		12.7 * 9.53

- 100M/coil

PFA HOSES



PRODUCT INFORMATION

- High weathering and heat resistance
- Excellent chemical resistance, anti-acid/alkali, anti-fouling and anti-stick performance
- Working temperature range: -20°C ~ 200°C
- Low coefficient of friction
- Easy to clean

APPLICATIONS

- Air / Steam / Water / Corrosive Fluid

ORDERING INFORMATION

Unit:mm

D -	PFA	8*6
CLASSIFICATION	PRODUCT NAME	HOSE SIZE (O.D.*I.D.)

D:HOSES & TUBES	PFA:PFA HOSE	4 * 2
		6 * 4
		8 * 6
		10 * 8
		12 * 9
		6.35 * 4
		6.35 * 4.75
		9.53 * 6.35
		12.7 * 9.53

- 100M/coil

STAINLESS STEEL BRAIDED TEFLON HOSES



PRODUCT INFORMATION

- Application: Pneumatic or hydraulic systems, chemical, steam and water
- Lining material: Teflon (PTFE)
- Cover material: Single braid layer of SS304 ensures hose pressure containment and protects the lining from abrasion
- Working temperature range: -50°C ~ 230°C
- Length: available with standard and custom lengths
- 100% functional test and closure test with nitrogen at 1000psig or custom-pressure no more than 150% working pressure



ORDERING INFORMATION

DS4 -	TFL	02 -	100 -	02		NJ
CLASSIFICATION & BRAID LAYER MATERIAL	PRODUCT NAME	HOSE SIZE	OVERALL LENGTH WITH FITTING (cm)	ADAPTER SIZE (FRACTIONAL)	ADAPTER SIZE (METRIC)	ADAPTER TYPE
DS4:SS304	TFL:STAINLESS STEEL BRAIDED TEFLON HOSE	02:1/4"	*CUSTOMIZED	02:1/4"	6:6 mm	NJ:JIC 37° FEMALE SWIVEL TYPE
		03:3/8"		03:3/8"	8:8 mm	TJ:TUBE END TYPE
		04:1/2"		04:1/2"	10:10 mm	J:JPE COMPRESSION TUBE END TYPE
		06:3/4"		06:3/4"	12:12 mm	MR:MALE BSPT THREAD TYPE
		08:1"		08:1"	16:16 mm	MN:MALE NPT THREAD TYPE
					18:18 mm	FR:FEMALE BSPT THREAD TYPE
					20:20 mm	FN:FEMALE NPT THREAD TYPE
					22:22 mm	
					25:25 mm	

ORDERING INFORMATION FOR HOSES

DS4 -	TFLEN	02
CLASSIFICATION & BRAID LAYER MATERIAL	PRODUCT NAME	HOSE SIZE
DS4:SS304	TFLEN:STAINLESS STEEL BRAIDED TEFLON HOSE	02:1/4"
		03:3/8"
		04:1/2"
		06:3/4"
		08:1"

POLYURETHANE NYLON BRAIDED HOSES



PRODUCT INFORMATION

- Low temperature resistance and nonconductive
 - Oil and non-corrosive chemical resistant
 - Small bend radius and high flexibility
 - Internal high strength polyester fiber reinforcement provides long service life
 - Smooth inner wall reduces flow resistance
 - Resistance to medium PH4 ~ 9
 - Working temperature rating: -20°C ~ 85°C
 - MAX working pressure: 1000 psig (69bar) @RT
-

APPLICATIONS

- Pneumatic and hydraulic controls and systems /
Automotive air brake lubricant and fuel tubing /
CO2 and air tubing /
Coolant lines /
Chemical transfer

ORDERING INFORMATION

D -

LB70 -

04 -

100 -

CLASSIFICATION	PRODUCT NAME	HOSE SIZE	OVERALL LENGTH WITH FITTING (cm)
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D:HOSES & TUBES	LB70: SUPER FLEXIBLE NYLON BRAIDED HOSE	02:1/4"	*CUSTOMIZED
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	NL12: HIGH PRESSURE NYLON BRAIDED HOSE	03:3/8"	
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		04:1/2"	
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		06:3/4"	
--	--	---------	--

		08:1"	
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ORDERING INFORMATION FOR HOSES

D -

LB70 -

04 -

BL

CLASSIFICATION	PRODUCT NAME	HOSE SIZE	COLOR
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D:HOSES & TUBES	LB70: SUPER FLEXIBLE NYLON BRAIDED HOSE	02:1/4"	BL:BLUE
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	NL12: HIGH PRESSURE NYLON BRAIDED HOSE	03:3/8"	R:RED
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		04:1/2"	
--	--	---------	--

		06:3/4"	
--	--	---------	--

		08:1"	
--	--	-------	--

• Working pressure might be different depending on the size, please contact authorized JPE representative for more details.

02

NJ -

BL

ADAPTER SIZE
(FRACTIONAL)ADAPTER SIZE
(METRIC)

ADAPTER TYPE

COLOR

02:1/4"

6:6 mm

NJ:JIC 37° FEMALE SWIVEL TYPE

BL:BLUE

03:3/8"

8:8 mm

TJ:TUBE END TYPE

R:RED

04:1/2"

10:10 mm

J:JPE COMPRESSION TUBE END TYPE

06:3/4"

12:12 mm

08:1"

16:16 mm

18:18 mm

20:20 mm

22:22 mm

25:25 mm

PVC FIBER REINFORCED HOSES



PRODUCT INFORMATION

- Internal high tensile polyester fiber reinforcement, made of PVC
- Soft and good flexible
- Nonconductive and resistant against most solvent-based chemicals
- Flame-resistant and anti-abrasive
- Smooth inner wall reduces flow resistance
- 100% functional test and closure test with nitrogen at 1000psig or custom-pressure no more than 150% working pressure

ORDERING INFORMATION

D -	PVCJ -	10*16 -	100 -
CLASSIFICATION	PRODUCT NAME	HOSE SIZE (I.D.*O.D.)	OVERALL LENGTH WITH FITTING (cm)

D:HOSES & TUBES	PVCJ:PVC FIBER REINFORCED HOSE	10*16:10mm*16mm (3/8")	*CUSTOMIZED
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13*20:13mm*20mm (1/2")

19*28:19mm*28mm (3/4")

25*35:25mm*35mm (1")

*YELLOW AS DEFAULT

ORDERING INFORMATION FOR HOSES

D -	PVCJ	10*16 -	Y
CLASSIFICATION	PRODUCT NAME	HOSE SIZE (I.D.*O.D.)	COLOR

D:HOSES & TUBES	PVCJ:PVC FIBER REINFORCED HOSE	10*16:10mm*16mm (3/8")	Y:YELLOW
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13*20:13mm*20mm (1/2")

19*28:19mm*28mm (3/4")

25*35:25mm*35mm (1")

• 25*35 is 50M/coil, and other sizes are 100M/coil.

02

NJ

ADAPTER SIZE
(FRACTIONAL)ADAPTER SIZE
(METRIC)

ADAPTER TYPE

02:1/4"

6:6 mm

NJ:JIC 37° FEMALE SWIVEL TYPE

03:3/8"

8:8 mm

TJ:TUBE END TYPE

04:1/2"

10:10 mm

J:JPE COMPRESSION TUBE END TYPE

06:3/4"

12:12 mm

08:1"

16:16 mm

18:18 mm

20:20 mm

22:22 mm

25:25 mm

AIR DISTRIBUTION MANIFOLDS

PRODUCT FEATURE

JPE Air Distribution Manifolds are designed and manufactured with the high-quality and reliable components from JPE. Additional instrumentations are available, including pressure gauges or proportional relief valves etc.. By customizing products and high efficiency, it can meet client's applications and needs.

Material of SS316L and SS304 are available. Main pipeline material complies with ASTM A312. JPE Air Distribution Manifolds are argon gas tungsten arc welding (GTAW/TIG), FKM and PTFE packing as standard, and Graphite packing as option. 100% functional test and closure test with nitrogen at 110% of the working pressure.

JPE Air Distribution Manifolds are made of compliant pipeline material and passed inspection and test to obtain safety, accessibility and maintainability. According to clients' requirements, JPE is capable of tailoring the suitable solution for the air distribution.

AIR DISTRIBUTION MANIFOLDS



PRODUCT INFORMATION

- Customized
- Main pipeline material complies with ASTM A312
- Argon gas tungsten arc welding (GTAW/TIG)
- Additional pressure gauge is optional
- FKM and PTFE packing as standard, and Graphite packing as option
- Material: SS316L / 304
- 100% functional test and closure test with nitrogen at 110% of the working pressure

PRODUCT INFORMATION

- D1 Series:1PC Casting Ball Valve (with butterfly handle and lock)
- D2 Series:2PC Casting Ball Valve (with butterfly handle and lock)
- D3 Series:3PC Ball Valve-50KG
- D4 Series:3PC Ball Valve-3000PSI

ORDERING INFORMATION

D1 -	S6 -	04	RF	CL9	AM	V-	D50
SERIES	MATERIAL	INLET SIZE	INLET TYPE	FLANGE PRESSURE RATING	FLANGE STANDARD	INLET VALVE	MAIN PIPELINE SIZE
D1	S4:SS304	01:1/8"	RF:RAISED FACE FLANGE	CL1:Class150	AM:ASME B16.5	V:WITH VALVE	D6:DN6(1/8")
D2	S6:SS316L	02:1/4"	RTJ:RING JOINT FACE FLANGE	CL3:Class300	PN:HG/T 20592(PN)	*NULL FOR NO VALVE	D8:DN8(1/4")
D3		03:3/8"	MR:MALE BSPT THREAD	CL4:Class400	CL:HG/T 20615(Class)		D10:DN10(3/8")
					(NOT INCLUDE Class400)		
D4		04:1/2"	FR:FEMALE BSPT THREAD	CL6:Class600			D15:DN15(1/2")
D5		06:3/4"	MN:MALE NPT THREAD	CL9:Class900			D20:DN20(3/4")
D8		08:1"	FN:FEMALE NPT THREAD	CL15:Class1500			D25:DN25(1")
D10		012:1-1/4"	BW:BUTT WELDING	CL25:Class2500			D32:DN32(1-1/4")
		014:1-1/2"	SW:SOCKET WELDING	PN2.5:PN2.5			D40:DN40(1-1/2")
		016:2"	UW:UNION WELDING	PN6:PN6			D50:DN50(2")
				PN10:PN10			D80:DN80(3")
				PN16:PN16			
				PN25:PN25			
				PN40:PN40			
				PN63:PN63			
				PN100:PN100			
				PN160:PN160			

- D5 Series: Flange inlet with 2PC Casting Ball Valve for outlet (with lock)
- D8 Series: JPE Tube End Needle Valve
- D10 Series: JPE Thread Connector

V	04		FN	P -	PG
DRAIN VALVE	DRAIN SIZE (METRIC)	DRAIN SIZE (FRACTIONAL)	DRAIN TYPE	DRAIN VENT	OTHER VENT
V: WITH VALVE	6: 6mm	01: 1/8"	J: JPE TUBE END	P: PLUG	PG: WITH PRESSURE GAUGE
*NULL FOR NO VALVE	8: 8mm	02: 1/4"	MR: MALE BSPT THREAD	MC: MALE CONNECTOR	*NULL FOR NO PRESSURE GAUGE
	10: 10mm	03: 3/8"	FR: FEMALE BSPT THREAD	*NULL FOR NO VENT	
	12: 12mm	04: 1/2"	MN: MALE NPT THREAD		
	14: 14mm	06: 3/4"	FN: FEMALE NPT THREAD		
	16: 16mm	08: 1"			
	20: 20mm				
	25: 25mm				

• If drain valve is added, please proceed to review this ordering information and select based on your need.

OTHERS

CONDENSERS SERIES**PRODUCT INFORMATION**

- Condensate Pots
- Pressure Gauge Buffers

CONDENSATE POTS





PRODUCT INFORMATION

- Install in front of instrument for gas to condensate and cool down
- Body material complies with ASTM A312 SS304 / 316L
- Argon gas tungsten arc welding (GTAW/TIG)
- 100% functional test and closure test with nitrogen at 150% of the working pressure

ORDERING INFORMATION

HS6 -	4	LNRQ	04	FN	03	FN -	D80	S4
CLASSIFICATION & MATERIAL	NUMBER OF VALVES	PRODUCT NAME	INLET & OUTLET SIZE	INLET & OUTLET TYPE	SIDE PORT SIZE	SIDE PORT TYPE	BODY NOMINAL SIZE	SCHEDULE NO.
HS6:SS316L	3:ONE INLET-TWO OUTLET	LNRQ: CONDENSATE POT	02:1/4"	J:JPE TUBE END	02:1/4"	J:JPE TUBE END	D80:3"	S4:SCH.40s
						FR:FEMALE BSPT		
HS4:SS304	4:ONE INLET-THREE OUTLET		03:3/8"	FR:FEMALE BSPT THREAD	03:3/8"	THREAD	D100:4"	S8:SCH.80s
						FN:FEMALE NPT		
			04:1/2"	FN:FEMALE NPT THREAD	04:1/2"	THREAD		S12:SCH.120s
			6:6mm		6:6mm			S16:SCH.160s
			8:8mm		8:8mm			
			10:10mm		10:10mm			
			12:12mm		12:12mm			

- For other custom demand, please contact authorized JPE representative.

PRESSURE GAUGE BUFFERS





PRODUCT INFORMATION

- Device connecting pressure gauges for measurement or fitting between pipelines.
 - Buffer device can avoid impact on pressure gauge, decrease the temperature and protect pressure gauge
 - Argon gas tungsten arc welding (GTAW/TIG)
 - 100% functional test and closure test with nitrogen at 150% of the working pressure
-

ORDERING INFORMATION

FS6 - LNQ 14*2 - D100

CLASSIFICATION & MATERIAL	PRODUCT NAME	O.D.*WALL THICKNESS	INLET TYPE	RING DIAMETER
FS6:SS316L	LNQ:PRESSURE GAUGE BUFFERS	*CUSTOMIZED	- :PRESSURE GAUGE BUFFER	DIAMETER : 100mm

FS4:SS304

- For other custom demand, please contact authorized JPE representative.

MEMO

Date / /

MEMO

Date / /

www.yeanhern.com



TAIWAN OFFICE

YEAN HERN CORP.

No. 28, Heye 8th, Daliao Dist., Kaohsiung City 831130, Taiwan
831130

T. +886-7-7874567 | F. +886-7-7887867

E. yeanhern@jpeyh.com

KUNSHAN OFFICE

JPE YEAN HERN CO.,LTD.

No. 128, Qianan Rd., Dianshanhu Town, Kunshan City 215345,
Jiangsu Province, China
215345

T. +86-512-57489661-3 | F. +86-512-57489668

E. ksyh@jpeyh.com

ZHANGJIAGANG OFFICE

JPE YEAN HERN CO.,LTD.

No. 35, Yuefeng Rd., Yangshe Town, Zhangjiagang City 215600,
Jiangsu Province, China
215600

T. +86-512-58797921 | F. +86-512-58267839

E. monica.ding@jpeyh.com

