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Spir Star Valves & Fittings

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I Adapters

1.1	High-Pressure Fittings.....	3
1.2	High-Pressure x Medium Pressure Adapters	6
1.3	High-Pressure x NPT Adapters.....	7
1.4	Medium Pressure Fittings.....	8
1.5	Medium Pressure x NPT Adapters.....	11
1.6	NPT Fittings.....	12
1.7	JIC Adapters.....	15
1.8	Type M Adapters.....	17
1.9	BSPP Adapters.....	19
1.10	Metric Adapters (for o-ring seal).....	20

2 Couplings

2.1	Quick Disconnect Couplings.....	21
2.2	SPC Series Quick Disconnects.....	22

3 Valves


3.1	Needle Valves.....	24
3.2	Ball Valves.....	24
3.3	Check Valves.....	25

High-Pressure Fittings


SPIR STAR High-Pressure fittings seal with a 60 degree cone and are rated for working pressures up to 60,000 psi.

Common Description	Actual Thread Dimension
1/4" High Pressure	9/16"-18 Thread on Gland Nut
3/8" High Pressure	3/4"-16 Thread on Gland Nut
9/16" High Pressure	1 1/8"-12 Thread on Gland Nut


High-Pressure Male x Male (Hex Nipples)		
Part Number	Description	Max Working Pressure
HMM4-HM4	1/4" HP Male x 1/4" HP Male	60,000 psi
HMM4-HM6	1/4" HP Male x 3/8" HP Male	60,000 psi
HMM4-HM9	1/4" HP Male x 9/16" HP Male	60,000 psi
HMM6-HM6	3/8" HP Male x 3/8" HP Male	60,000 psi
HMM6-HM9	3/8" HP Male x 9/16" HP Male	60,000 psi
HMM9-HM9	9/16" HP Male x 9/16" HP Male	60,000 psi




High-Pressure Female Elbows		
Part Number	Description	Max Working Pressure
HEHF4	1/4" HP Female Elbow	60,000 psi
HEHF6	3/8" HP Female Elbow	60,000 psi




High-Pressure Female Tees		
Part Number	Description	Max Working Pressure
HTHF4	1/4" HP Female Tee	60,000 psi
HTHF6	3/8" HP Female Tee	60,000 psi
HTHF9	9/16" HP Female Tee	60,000 psi



High-Pressure Female Crosses		
Part Number	Description	Max Working Pressure
HCRHF4	1/4" HP Female Cross	60,000 psi
HCRHF6	3/8" HP Female Cross	60,000 psi
HCRHF9	9/16" HP Female Cross	60,000 psi



High-Pressure Female x High Pressure Male		
Part Number	Description	Max Working Pressure
HHF4-HM6	1/4" HP Female x 3/8" HP Male	60,000 psi
HHF4-HM9	1/4" HP Female x 9/16" HP Male	60,000 psi
HHF6-HM4	3/8" HP Female x 1/4" HP Male	60,000 psi
HHF6-HM9	3/8" HP Female x 9/16" HP Male	60,000 psi
HHF9-HM4	9/16" HP Female x 1/4" HP Male	60,000 psi
HHF9-HM6	9/16" HP Female x 3/8" HP Male	60,000 psi



High-Pressure Slimline Couplers

Slimline couplers are designed to be used ONLY for high pressure waterjetting applications, such as tube bundle cleaning.

Part Number	Description	Max Working Pressure
HCSL-HF4-LL	1/4" HP Female Slimline Coupler Left x Left* 0.445" OD	40,000 psi
HCSL-HF4-LR	1/4" HP Female Slimline Coupler Left x Right* 0.445" OD	40,000 psi
HCSL-HF4-RR	1/4" HP Female Slimline Coupler Right x Right* 0.445" OD	40,000 psi
HCSL-HF6-LL	3/8" HP Female Slimline Coupler Left x Left* 0.562" OD	40,000 psi
HCSL-HF6-LR	3/8" HP Female Slimline Coupler Left x Right* 0.562" OD	40,000 psi
HCSL-HF6-RR	3/8" HP Female Slimline Coupler Right x Right* 0.562" OD	40,000 psi
HCSL-HF9-LL	9/16" HP Female Slimline Coupler Left x Left* 0.750" OD	40,000 psi
HCSL-HF9-LR	9/16" HP Female Slimline Coupler Left x Right* 0.750" OD	40,000 psi
HCSL-HF9-RR	9/16" HP Female Slimline Coupler Right x Right* 0.750" OD	40,000 psi



* Designates Left Hand Thread or Right Hand Thread

High-Pressure Heavy Duty Couplers Female Crosses

Part Number	Description	Max Working Pressure
HC-HF4	1/4" HP Female Coupler	60,000 psi
HC-HF6	3/8" HP Female Coupler	60,000 psi
HC-HF9	9/16" HP Female Coupler	60,000 psi
HC-HF9-HF6	9/16" HP x 3/8" HP Female Coupler	60,000 psi
HC-HF4-BH	1/4" HP Female Bulkhead	60,000 psi
HC-HF6-BH	3/8" HP Female Bulkhead	60,000 psi
HC-HF9-BH	9/16" HP Female Bulkhead	60,000 psi
HC-HF9-HF6-BH	9/16" HP x 3/8" HP Female Bulkhead	60,000 psi



High-Pressure Tube Nipples

Part Number	Description	Max Working Pressure
HHM4-3.00	1/4" HP Nipple x 3" Long	60,000 psi
HHM4-6.00	1/4" HP Nipple x 6" Long	60,000 psi
HHM6-3.00	3/8" HP Nipple x 3" Long	60,000 psi
HHM6-4.00	3/8" HP Nipple x 4" Long	60,000 psi
HHM9-4.00	9/16" HP Nipple x 4" Long	60,000 psi
HHM9-6.00	9/16" HP Nipple x 6" Long	60,000 psi




High-Pressure Plugs


Part Number	Description	Max Working Pressure
HHM2-PLUG	1/8" HP Plug	60,000 psi
HHM4-PLUG	1/4" HP Plug	60,000 psi
HHM6-PLUG	3/8" HP Plug	60,000 psi
HHM9-PLUG	9/16" HP Plug	60,000 psi



High-Pressure Gland Nuts & Collars		
Part Number	Description	Max Working Pressure
GN-1/8HP	1/8" HP Gland Nut	60,000 psi
GN-1/4HP	1/4" HP Gland Nut	60,000 psi
GN-3/8HP	3/8" HP Gland Nut	60,000 psi
GN-9/16HP	9/16" HP Gland Nut	60,000 psi
CLR-1/8HP	1/8" HP Collar	60,000 psi
CLR-1/4HP	1/4" HP Collar	60,000 psi
CLR-3/8HP	3/8" HP Collar	60,000 psi
CLR-9/16HP	9/16" HP Collar	60,000 psi
GN-1/4HP-AV	1/4" HP Collar Anti-Vibration	60,000 psi
GN-3/8HP-AV	3/8" HP Collar Anti-Vibration	60,000 psi
GN-9/16HP-AV	9/16" HP Collar Anti-Vibration	60,000 psi



High-Pressure Caps		
Part Number	Description	Max Working Pressure
HHF4-CAP	1/4" HP Female Cap	60,000 psi
HHF6-CAP	3/8" HP Female Cap	60,000 psi
HHF9-CAP	9/16" HP Female Cap	60,000 psi



High-Pressure x Medium Pressure Adapters

SPIR STAR High-Pressure x Medium Pressure Adapters fittings seal with a 60 degree cone and are rated for working pressures up to 20,000 psi.

Common Description	Actual Thread Dimension
1/4" High Pressure	9/16"-18 Thread on Gland Nut
3/8" High Pressure	3/4"-16 Thread on Gland Nut
9/16" High Pressure	1 1/8"-12 Thread on Gland Nut
1/4" Medium Pressure	7/16"-20 Thread on Gland Nut
3/8" Medium Pressure	9/16"-18 Thread on Gland Nut
9/16" Medium Pressure	13/16"-16 Thread on Gland Nut
3/4" Medium Pressure	3/4"-14 Thread on Gland Nut

High-Pressure Male x Medium Pressure Male

Part Number	Description	Max Working Pressure
HHM4-MM4	1/4" HP Male x 1/4" MP Male	20,000 psi
HHM4-MM6	1/4" HP Male x 3/8" MP Male	20,000 psi
HHM4-MM9	1/4" HP Male x 9/16" MP Male	20,000 psi
HHM6-MM4	3/8" HP Male x 1/4" MP Male	20,000 psi
HHM6-MM6	3/8" HP Male x 3/8" MP Male	20,000 psi
HHM6-MM9	3/8" HP Male x 9/16" MP Male	20,000 psi
HHM9-MM6	9/16" HP Male x 3/8" MP Male	20,000 psi
HHM9-MM9	9/16" HP Male x 9/16" MP Male	20,000 psi
HHM9-MM12	9/16" HP Male x 3/4" MP Male	20,000 psi



High-Pressure Female x Medium Pressure Male

Part Number	Description	Max Working Pressure
HHF4-MM4	1/4" HP Female x 1/4" MP Male	20,000 psi
HHF4-MM6	1/4" HP Female x 3/8" MP Male	20,000 psi
HHF4-MM9	1/4" HP Female x 9/16" MP Male	20,000 psi
HHF6-MM4	3/8" HP Female x 1/4" MP Male	20,000 psi
HHF6-MM6	3/8" HP Female x 3/8" MP Male	20,000 psi
HHF6-MM9	3/8" HP Female x 9/16" MP Male	20,000 psi
HHF9-MM6	9/16" HP Female x 3/8" MP Male	20,000 psi
HHF9-MM9	9/16" HP Female x 9/16" MP Male	20,000 psi



High-Pressure Male x Medium Pressure Female

Part Number	Description	Max Working Pressure
HMF4-HM4	1/4" MP Female x 1/4" HP Male	20,000 psi
HMF4-HM6	1/4" MP Female x 3/8" HP Male	20,000 psi
HMF4-HM9	1/4" MP Female x 9/16" HP Male	20,000 psi
HMF6-HM4	3/8" MP Female x 1/4" HP Male	20,000 psi
HMF6-HM6	3/8" MP Female x 3/8" HP Male	20,000 psi
HMF6-HM9	3/8" MP Female x 9/16" HP Male	20,000 psi
HMF9-HM4	9/16" MP Female x 1/4" HP Male	20,000 psi
HMF9-HM6	9/16" MP Female x 3/8" HP Male	20,000 psi
HMF9-HM9	9/16" MP Female x 9/16" HP Male	20,000 psi




High-Pressure x NPT Adapters


SPIR STAR High-Pressure x NPT (National Pipe Taper) adapters seal with a 60 degree cone High Pressure connection and a tapered thread NPT connection and are rated for working pressures up to 15,000 psi. However, working pressures may be decreased depending upon the NPT thread size.

Common Description	Actual Thread Dimension
1/4" High Pressure	9/16"-18 Thread on Gland Nut
3/8" High Pressure	3/4"-16 Thread on Gland Nut
9/16" High Pressure	1 1/8"-12 Thread on Gland Nut
NPT Thread Size	Working Pressure
1/16" - 1/2" NPT	15,000 psi
3/4" - 1" NPT	10,000 psi


High-Pressure Male x NPT Male		
Part Number	Description	Max Working Pressure
HHM4-NM4	1/4" HP Male x 1/4" NPT Male	15,000 psi
HHM4-NM6	1/4" HP Male x 3/8" NPT Male	15,000 psi
HHM4-NM8	1/4" HP Male x 1/2" NPT Male	15,000 psi
HHM6-NM4	3/8" HP Male x 1/4" NPT Male	15,000 psi
HHM6-NM6	3/8" HP Male x 3/8" NPT Male	15,000 psi
HHM6-NM8	3/8" HP Male x 1/2" NPT Male	15,000 psi
HHM9-NM4	9/16" HP Male x 1/4" NPT Male	15,000 psi
HHM9-NM6	9/16" HP Male x 3/8" NPT Male	15,000 psi
HHM9-NM8	9/16" HP Male x 1/2" NPT Male	15,000 psi
HHM9-NM12	9/16" HP Male x 3/4" NPT Male	10,000 psi
HHM9-NM16	9/16" HP Male x 1" NPT Male	10,000 psi
HHM4-NM4	1/4" HP Male x 1/4" NPT Male	15,000 psi



High-Pressure Female x NPT Male		
Part Number	Description	Max Working Pressure
HHF4-NM4	1/4" HP Female x 1/4" NPT Male	15,000 psi
HHF4-NM6	1/4" HP Female x 3/8" NPT Male	15,000 psi
HHF4-NM8	1/4" HP Female x 1/2" NPT Male	15,000 psi
HHF6-NM4	3/8" HP Female x 1/4" NPT Male	15,000 psi
HHF6-NM6	3/8" HP Female x 3/8" NPT Male	15,000 psi
HHF6-NM8	3/8" HP Female x 1/2" NPT Male	15,000 psi
HHF9-NM6	9/16" HP Female x 3/8" NPT Male	15,000 psi
HHF9-NM8	9/16" HP Female x 1/2" NPT Male	15,000 psi
HHF9-NM16	9/16" HP Female x 1" NPT Male	10,000 psi



High Pressure Male x NPT Female		
Part Number	Description	Max Working Pressure
HNF4-HM4	1/4" NPT Female x 1/4" HP Male	15,000 psi
HNF4-HM6	1/4" NPT Female x 3/8" HP Male	15,000 psi
HNF4-HM9	1/4" NPT Female x 9/16" HP Male	15,000 psi
HNF6-HM4	3/8" NPT Female x 1/4" HP Male	15,000 psi
HNF6-HM6	3/8" NPT Female x 3/8" HP Male	15,000 psi
HNF8-HM4	1/2" NPT Female x 1/4" HP Male	15,000 psi
HNF8-HM6	1/2" NPT Female x 3/8" HP Male	15,000 psi
HNF8-HM9	1/2" NPT Female x 9/16" HP Male	15,000 psi



Medium Pressure Fittings

SPIR STAR Medium Pressure fittings (sometimes known as “Slimline”) seal with a 60 degree cone and are rated for working pressures up to 20,000 psi.

Common Description	Actual Thread Dimension
1/4” Medium Pressure	7/16”-20 Thread on Gland Nut
3/8” Medium Pressure	9/16”-18 Thread on Gland Nut
9/16” Medium Pressure	13/16”-16 Thread on Gland Nut
3/4” Medium Pressure	3/4”-14 Thread on Gland Nut
1” Medium Pressure	1 3/8”-12 Thread on Gland Nut

Medium Pressure Male x Male (Hex Nipples)

Part Number	Description	Max Working Pressure
HMM4-MM4	1/4” MP Male x 1/4” MP Male	20,000 psi
HMM6-MM6	3/8” MP Male x 3/8” MP Male	20,000 psi
HMM6-MM9	3/8” MP Male x 9/16” MP Male	20,000 psi
HMM9-MM9	9/16” MP Male x 9/16” MP Male	20,000 psi
HMM9-MM12	9/16” MP Male x 3/4” MP Male	20,000 psi
HMM9-MM16	9/16” MP Male x 1” MP Male	20,000 psi
HMM12-MM12	3/4” MP Male x 3/4” MP Male	20,000 psi
HMM16-MM16	1” MP Male x 1” MP Male	20,000 psi



Medium Pressure Female Elbows

Part Number	Description	Max Working Pressure
HEMF4	1/4” MP Female Elbow	20,000 psi
HEMF6	3/8” MP Female Elbow	20,000 psi
HEMF9	9/16” MP Female Elbow	20,000 psi
HEMF12	3/4” MP Female Elbow	20,000 psi
HEMF16	1” MP Female Elbow	20,000 psi



Medium Pressure Female Tees

Part Number	Description	Max Working Pressure
HTMF4	1/4” MP Female Tee	20,000 psi
HTMF6	3/8” MP Female Tee	20,000 psi
HTMF9	9/16” MP Female Tee	20,000 psi
HTMF12	3/4” MP Female Tee	20,000 psi
HTMF16	1” MP Female Tee	20,000 psi




Medium Pressure Female Crosses


Part Number	Description	Max Working Pressure
HCRMF4	1/4” MP Female Cross	20,000 psi
HCRMF6	3/8” MP Female Cross	20,000 psi
HCRMF9	9/16” MP Female Cross	20,000 psi
HCRMF12	3/4” MP Female Cross	20,000 psi
HCRMF16	1” MP Female Cross	20,000 psi



Medium Pressure Female x Medium Pressure Male		
Part Number	Description	Max Working Pressure
HMF4-MM6	1/4" MP Female x 3/8" MP Male	20,000 psi
HMF4-MM9	1/4" MP Female x 9/16" MP Male	20,000 psi
HMF6-MM9	3/8" MP Female x 9/16" MP Male	20,000 psi
HMF9-MM6	9/16" MP Female x 3/8" MP Male	20,000 psi
HMF9-MM12	9/16" MP Female x 3/4" MP Male	20,000 psi
HMF9-MM16	9/16" MP Female x 1" MP Male	20,000 psi




Medium Pressure Slimline Couplers		
Slimline couplers are designed to be used ONLY for high pressure waterjetting applications, such as tube bundle cleaning.		
Part Number	Description	Max Working Pressure
HCSL-MF4-LL	1/4" MP Female Slimline Coupler Left x Left* 0.374" OD	20,000 psi
HCSL-MF4-LR	1/4" MP Female Slimline Coupler Left x Right* 0.374" OD	20,000 psi
HCSL-MF4-RR	1/4" MP Female Slimline Coupler Right x Right* 0.374" OD	20,000 psi
HCSL-MF6-LL	3/8" MP Female Slimline Coupler Left x Left* 0.499" OD	20,000 psi
HCSL-MF6-LR	3/8" MP Female Slimline Coupler Left x Right* 0.499" OD	20,000 psi
HCSL-MF6-RR	3/8" MP Female Slimline Coupler Right x Right* 0.499" OD	20,000 psi
HCSL-MF9-LL	9/16" MP Female Slimline Coupler Left x Left* 0.687" OD	20,000 psi
HCSL-MF9-LR	9/16" MP Female Slimline Coupler Left x Right* 0.687" OD	20,000 psi
HCSL-MF9-RR	9/16" MP Female Slimline Coupler Right x Right* 0.687" OD	20,000 psi




* Designates Left Hand Thread or Right Hand Thread


Medium Pressure Heavy Duty Couplers		
Part Number	Description	Max Working Pressure
HC-MF4	1/4" MP Female Coupler	20,000 psi
HC-MF6	3/8" MP Female Coupler	20,000 psi
HC-MF9	9/16" MP Female Coupler	20,000 psi
HC-MF12	3/4" MP Female Coupler	20,000 psi
HC-MF16	1" MP Female Coupler	20,000 psi
HC-MF4-BH	1/4" MP Female Bulkhead	20,000 psi
HC-MF6-BH	3/8" MP Female Bulkhead	20,000 psi
HC-MF9-BH	9/16" MP Female Bulkhead	20,000 psi
HC-MF12-BH	3/4" MP Female Bulkhead	20,000 psi
HC-MF16-BH	1" MP Female Bulkhead	20,000 psi




Medium Pressure Tube Nipples		
Part Number	Description	Max Working Pressure
HMM6-3.00	3/8" MP Nipple x 3" Long	20,000 psi
HMM9-3.00	9/16" MP Nipple x 3" Long	20,000 psi
HMM9-4.00	9/16" MP Nipple x 4" Long	20,000 psi
HMM9-6.00	9/16" MP Nipple x 6" Long	20,000 psi
HMM9-8.00	9/16" MP Nipple x 8" Long	20,000 psi




Medium Pressure Plugs		
Part Number	Description	Max Working Pressure
HMM4-PLUG	1/4" MP Plug	20,000 psi
HMM6-PLUG	3/8" MP Plug	20,000 psi
HMM9-PLUG	9/16" MP Plug	20,000 psi
HMM12-PLUG	3/4" MP Plug	20,000 psi
HMM16-PLUG	1" MP Plug	20,000 psi
HMM4-PLUG	1/4" MP Plug	20,000 psi



Medium Pressure Gland Nuts & Collars		
Part Number	Description	Max Working Pressure
GN-1/4MP	1/4" MP Gland Nut	20,000 psi
GN-3/8MP	3/8" MP Gland Nut	20,000 psi
GN-9/16MP	9/16" MP Gland Nut	20,000 psi
GN-3/4MP	3/4" MP Gland Nut	20,000 psi
GN-1MP	1" MP Gland Nut	20,000 psi
CLR-1/4MP	1/4" MP Collar	20,000 psi
CLR-3/8MP	3/8" MP Collar	20,000 psi
CLR-9/16MP	9/16" MP Collar	20,000 psi
CLR-3/4MP	3/4" MP Collar	20,000 psi
CLR-1MP	1" MP Collar	20,000 psi
GN-1/4MP-AV	1/4" MP Anti-Vibration Assembly	20,000 psi
GN-3/8MP-AV	3/8" MP Anti-Vibration Assembly	20,000 psi
GN-9/16MP-AV	9/16" MP Anti-Vibration Assembly	20,000 psi



Medium Pressure Caps		
Part Number	Description	Max Working Pressure
HMF4-CAP	1/4" MP Female Cap	20,000 psi
HMF6-CAP	3/8" MP Female Cap	20,000 psi
HMF9-CAP	9/16" MP Female Cap	20,000 psi
HMF12-CAP	3/4" MP Female Cap	20,000 psi
HMF16-CAP	1" MP Female Cap	20,000 psi



Medium Pressure x NPT Adapters

SPIR STAR Medium Pressure x NPT (National Pipe Taper) adapters seal with a 60 degree cone Medium pressure connection and a tapered thread NPT connection. They are rated for 15,000 psi, however, working pressures may be decreased depending upon the NPT thread size.

Common Description	Actual Thread Dimension
1/4" Medium Pressure	7/16"-20 Thread on Gland Nut
3/8" Medium Pressure	9/16"-18 Thread on Gland Nut
9/16" Medium Pressure	13/16"-16 Thread on Gland Nut
3/4" Medium Pressure	3/4"-14 Thread on Gland Nut
1" Medium Pressure	1 3/8"-12 Thread on Gland Nut

NPT Thread Size	Working Pressure
1/16" - 1/2" NPT	15,000 psi
3/4" - 1" NPT	10,000 psi

Medium Pressure Male x NPT Male

Part Number	Description	Max Working Pressure
HMM4-NM4	1/4" MP Male x 1/4" NPT Male	15,000 psi
HMM4-NM6	1/4" MP Male x 3/8" NPT Male	15,000 psi
HMM6-NM4	3/8" MP Male x 1/4" NPT Male	15,000 psi
HMM6-NM6	3/8" MP Male x 3/8" NPT Male	15,000 psi
HMM6-NM8	3/8" MP Male x 1/2" NPT Male	15,000 psi
HMM9-NM4	9/16" MP Male x 1/4" NPT Male	15,000 psi
HMM9-NM6	9/16" MP Male x 3/8" NPT Male	15,000 psi
HMM9-NM8	9/16" MP Male x 1/2" NPT Male	15,000 psi
HMM9-NM16	9/16" MP Male x 1" NPT Male	10,000 psi



Medium Pressure Female x NPT Male

Part Number	Description	Max Working Pressure
HMF6-NM4	3/8" MP Female x 1/4" NPT Male	15,000 psi
HMF6-NM6	3/8" MP Female x 3/8" NPT Male	15,000 psi
HMF6-NM8	3/8" MP Female x 1/2" NPT Male	15,000 psi
HMF9-NM4	9/16" MP Female x 1/4" NPT Male	15,000 psi
HMF9-NM6	9/16" MP Female x 3/8" NPT Male	15,000 psi
HMF9-NM8	9/16" MP Female x 1/2" NPT Male	15,000 psi
HMF9-NM16	9/16" MP Female x 1" NPT Male	10,000 psi



Medium Pressure Male x NPT Female

Part Number	Description	Max Working Pressure
HNF2-MM9	1/8" NPT Female x 9/16" MP Male	15,000 psi
HNF4-MM4	1/4" NPT Female x 1/4" MP Male	15,000 psi
HNF4-MM6	1/4" NPT Female x 3/8" MP Male	15,000 psi
HNF4-MM9	1/4" NPT Female x 9/16" MP Male	15,000 psi
HNF6-MM9	3/8" NPT Female x 9/16" MP Male	15,000 psi
HNF8-MM9	1/2" NPT Female x 9/16" MP Male	15,000 psi
HNF8-MM12	1/2" NPT Female x 3/4" MP Male	15,000 psi
HNF8-MM16	1/2" NPT Female x 1" MP Male	15,000 psi
HNF12-MM16	3/4" NPT Female x 1" MP Male	10,000 psi
HNF16-MM16	1" NPT Female x 1" MP Male	10,000 psi



NPT Fittings

NPT (National Pipe Taper) fittings have working pressures up to 15,000 psi. However, working pressures may be decreased depending upon thread size.

NPT Thread Size	Working Pressure
1/16" - 1/2" NPT	15,000 psi
3/4" - 1" NPT	10,000 psi

NPT Male x Male (Hex Nipples)		
Part Number	Description	Max Working Pressure
HNM2-NM2	1/8" NPT Male x 1/8" NPT Male	15,000 psi
HNM4-NM4	1/4" NPT Male x 1/4" NPT Male	15,000 psi
HNM6-NM4	3/8" NPT Male x 1/4" NPT Male	15,000 psi
HNM6-NM6	3/8" NPT Male x 3/8" NPT Male	15,000 psi
HNM8-NM4	1/2" NPT Male x 1/4" NPT Male	15,000 psi
HNM8-NM6	1/2" NPT Male x 3/8" NPT Male	15,000 psi
HNM8-NM8	1/2" NPT Male x 1/2" NPT Male	15,000 psi
HNMI2-NM8	3/4" NPT Male x 1/2" NPT Male	10,000 psi
HNMI2-NMI2	3/4" NPT Male x 3/4" NPT Male	10,000 psi
HNMI6-NM8	1" NPT Male x 1/2" NPT Male	10,000 psi
HNMI6-NMI2	1" NPT Male x 3/4" NPT Male	10,000 psi
HNMI6-NMI6	1" NPT Male x 1" NPT Male	10,000 psi




NPT Bushings		
Part Number	Description	Max Working Pressure
HNFI-NM2	1/16" NPT Female x 1/8" NPT Male	15,000 psi
HNFI-NM4	1/16" NPT Female x 1/4" NPT Male	15,000 psi
HNFI-NM6	1/16" NPT Female x 3/8" NPT Male	15,000 psi
HNFI-NM8	1/16" NPT Female x 1/2" NPT Male	15,000 psi
HNFI-NM4	1/8" NPT Female x 1/4" NPT Male	15,000 psi
HNFI-NM6	1/8" NPT Female x 3/8" NPT Male	15,000 psi
HNFI-NM8	1/8" NPT Female x 1/2" NPT Male	15,000 psi
HNFI-NM6	1/4" NPT Female x 3/8" NPT Male	15,000 psi
HNFI-NM8	1/4" NPT Female x 1/2" NPT Male	15,000 psi
HNFI-NMI2	1/4" NPT Female x 3/4" NPT Male	10,000 psi
HNFI-NMI6	1/4" NPT Female x 1" NPT Male	10,000 psi
HNFI-NM4	3/8" NPT Female x 1/4" NPT Male	15,000 psi
HNFI-NM8	3/8" NPT Female x 1/2" NPT Male	15,000 psi
HNFI-NMI2	3/8" NPT Female x 3/4" NPT Male	10,000 psi
HNFI-NMI6	3/8" NPT Female x 1" NPT Male	10,000 psi
HNFI-NM4	1/2" NPT Female x 1/4" NPT Male	15,000 psi
HNFI-NM6	1/2" NPT Female x 3/8" NPT Male	15,000 psi
HNFI-NMI2	1/2" NPT Female x 3/4" NPT Male	10,000 psi
HNFI-NMI6	1/2" NPT Female x 1" NPT Male	10,000 psi
HNFI2-NMI6	3/4" NPT Female x 1" NPT Male	10,000 psi




NPT Female Elbows		
Part Number	Description	Max Working Pressure
HENF4	1/4" NPT Female Elbow	15,000 psi
HENF6	3/8" NPT Female Elbow	15,000 psi
HENF8	1/2" NPT Female Elbow	15,000 psi
HENFI2	3/4" NPT Female Elbow	10,000 psi
HENFI6	1" NPT Female Elbow	10,000 psi




NPT Street Elbows		
Part Number	Description	Max Working Pressure
HSENF4	1/4" NPT Male x NPT Female Street Elbow	15,000 psi
HSENF6	3/8" NPT Male x NPT Female Street Elbow	15,000 psi
HSENF8	1/2" NPT Male x NPT Female Street Elbow	15,000 psi




NPT Female Tees		
Part Number	Description	Max Working Pressure
HTNF4	1/4" NPT Female Tee	15,000 psi
HTNF6	3/8" NPT Female Tee	15,000 psi
HTNF8	1/2" NPT Female Tee	15,000 psi
HTNF12	3/4" NPT Female Tee	10,000 psi
HTNF16	1" NPT Female Tee	10,000 psi




NPT Street Tees		
Part Number	Description	Max Working Pressure
HSTNF4	1/4" NPT Male x NPT Female Street Tee	15,000 psi
HSTNF6	3/8" NPT Male x NPT Female Street Tee	15,000 psi
HSTNF8	1/2" NPT Male x NPT Female Street Tee	15,000 psi



NPT Female Crosses		
Part Number	Description	Max Working Pressure
HCRNF4	1/4" NPT Female Cross	15,000 psi
HCRNF6	3/8" NPT Female Cross	15,000 psi
HCRNF8	1/2" NPT Female Cross	15,000 psi
HCRNF12	3/4" NPT Female Cross	10,000 psi
HCRNF16	1" NPT Female Cross	10,000 psi



NPT Slimline Couplers		
Slimline couplers are designed to be used ONLY for high pressure waterjetting applications, such as tube bundle cleaning.		
Part Number	Description	Max Working Pressure
HCSSL-NF1	1/16" NPT Female Slimline Coupler 0.375" OD	10,000 psi
HCSSL-NF2	1/8" NPT Female Slimline Coupler 0.480" OD	10,000 psi
HCSSL-NF2-NF1	1/8" NPT Female x 1/16" NPT Female Slimline Coupler 0.480" OD	10,000 psi
HCSSL-NF4	1/4" NPT Female Slimline Coupler 0.690" OD	10,000 psi
HCSSL-NF6	3/8" NPT Female Slimline Coupler 0.875" OD	10,000 psi
HCSSL-NF8	1/2" NPT Female Slimline Coupler 1.130" OD	10,000 psi



NPT Heavy Duty Couplers		
Part Number	Description	Max Working Pressure
HC-NF4 HD	1/4" NPT Female Coupler	15,000 psi
HC-NF6 HD	3/8" NPT Female Coupler	15,000 psi
HC-NF6-NF4 HD	3/8" NPT Female x 1/4" NPT Female Coupler	15,000 psi
HC-NF8 HD	1/2" NPT Female Coupler	15,000 psi
HC-NF8-NF4 HD	1/2" NPT Female x 1/4" NPT Female Coupler	15,000 psi
HC-NF8-NF6 HD	1/2" NPT Female x 3/8" NPT Female Coupler	15,000 psi
HC-NF12 HD	3/4" NPT Female Coupler	10,000 psi
HC-NF12-NF8 HD	3/4" NPT Female x 1/2" NPT Female Coupler	10,000 psi
HC-NF16 HD	1" NPT Female Coupler	10,000 psi
HC-NF16-NF12 HD	1" NPT Female x 3/4" NPT Female Coupler	10,000 psi
HC-NF4 HD-BH	1/4" NPT Female Bulkhead	15,000 psi
HC-NF6 HD-BH	3/8" NPT Female Bulkhead	15,000 psi
HC-NF6-NF4 HD-BH	3/8" NPT Female x 1/4" NPT Female Bulkhead	15,000 psi
HC-NF8 HD-BH	1/2" NPT Female Coupler Bulkhead	15,000 psi
HC-NF8-NF4 HD-BH	1/2" NPT Female x 1/4" NPT Female Bulkhead	15,000 psi
HC-NF8-NF6 HD-BH	1/2" NPT Female x 3/8" NPT Female Bulkhead	15,000 psi
HC-NF12 HD-BH	3/4" NPT Female Bulkhead	10,000 psi
HC-NF12-NF8 HD-BH	3/4" NPT Female x 1/2" NPT Female Bulkhead	10,000 psi
HC-NF16 HD-BH	1" NPT Female Bulkhead	10,000 psi
HC-NF16-NF12 HD-BH	1" NPT Female x 3/4" NPT Female Bulkhead	10,000 psi



NPT Pipe Nipples		
Part Number	Description	Max Working Pressure
HNMA-2.00	1/4" NPT Male Nipple x 2" Long	15,000 psi
HNMA-3.00	1/4" NPT Male Nipple x 3" Long	15,000 psi
HNMA-4.00	1/4" NPT Male Nipple x 4" Long	15,000 psi
HNMA-6.00	1/4" NPT Male Nipple x 6" Long	15,000 psi
HNMA6-2.00	3/8" NPT Male Nipple x 2" Long	15,000 psi
HNMA6-3.00	3/8" NPT Male Nipple x 3" Long	15,000 psi
HNMA6-4.00	3/8" NPT Male Nipple x 4" Long	15,000 psi
HNMA6-6.00	3/8" NPT Male Nipple x 6" Long	15,000 psi
HNMA8-2.00	1/2" NPT Male Nipple x 2" Long	15,000 psi
HNMA8-3.00	1/2" NPT Male Nipple x 3" Long	15,000 psi
HNMA8-4.00	1/2" NPT Male Nipple x 4" Long	15,000 psi
HNMA8-6.00	1/2" NPT Male Nipple x 6" Long	15,000 psi
HNMA12-4.00	3/4" NPT Male Nipple x 4" Long	10,000 psi
HNMA12-6.00	3/4" NPT Male Nipple x 6" Long	10,000 psi
HNMA16-4.00	1" NPT Male Nipple x 4" Long	10,000 psi
HNMA16-6.00	1" NPT Male Nipple x 6" Long	10,000 psi



NPT Plugs		
Part Number	Description	Max Working Pressure
HNMI-PLUG	1/16" NPT Male Plug	15,000 psi
HNMI2-PLUG	1/8" NPT Male Plug	15,000 psi
HNMI4-PLUG	1/4" NPT Male Plug	15,000 psi
HNMI6-PLUG	3/8" NPT Male Plug	15,000 psi
HNMI8-PLUG	1/2" NPT Male Plug	15,000 psi
HNMI12-PLUG	3/4" NPT Male Plug	10,000 psi
HNMI16-PLUG	1" NPT Male Plug	10,000 psi




JIC Adapters

SPIR STAR JIC adapters seal with a 37 degree cone and are rated for working pressures up to 10,000 psi.

Common Description	Actual Thread Dimension
#4 1/4" JIC	7/16"-20 Thread
#6 3/8" JIC	9/16"-18 Thread
#8 1/2" JIC	3/4"-16 Thread
#12 3/4" JIC	1 1/16"-12 Thread
#16 1" JIC	1 5/16"-12 Thread


JIC Male x JIC Male (Hex Nipples)

Part Number	Description	Max Working Pressure
HMJ4-MJ4	1/4" JIC Male x 1/4" JIC Male	10,000 psi
HMJ4-MJ6	1/4" JIC Male x 3/8" JIC Male	10,000 psi
HMJ4-MJ8	1/4" JIC Male x 1/2" JIC Male	10,000 psi
HMJ6-MJ6	3/8" JIC Male x 3/8" JIC Male	10,000 psi
HMJ6-MJ8	3/8" JIC Male x 1/2" JIC Male	10,000 psi
HMJ8-MJ8	1/2" JIC Male x 1/2" JIC Male	10,000 psi
HMJ16-MJ16	1" JIC Male x 1" JIC Male	10,000 psi




JIC Male x NPT Male

Part Number	Description	Max Working Pressure
HMJ4-NM4	1/4" JIC Male x 1/4" NPT Male	10,000 psi
HMJ4-NM6	1/4" JIC Male x 3/8" NPT Male	10,000 psi
HMJ4-NM8	1/4" JIC Male x 1/2" NPT Male	10,000 psi
HMJ6-NM4	3/8" JIC Male x 1/4" NPT Male	10,000 psi
HMJ6-NM6	3/8" JIC Male x 3/8" NPT Male	10,000 psi
HMJ6-NM8	3/8" JIC Male x 1/2" NPT Male	10,000 psi
HMJ8-NM4	1/2" JIC Male x 1/4" NPT Male	10,000 psi
HMJ8-NM6	1/2" JIC Male x 3/8" NPT Male	10,000 psi
HMJ8-NM8	1/2" JIC Male x 1/2" NPT Male	10,000 psi
HMJ8-NM12	1/2" JIC Male x 3/4" NPT Male	10,000 psi
HMJ8-NM16	1/2" JIC Male x 1" NPT Male	10,000 psi
HMJ16-NM16	1" JIC Male x 1" NPT Male	10,000 psi



JIC Male x High-Pressure Male

Part Number	Description	Max Working Pressure
HMJ4-HM4	1/4" JIC Male x 1/4" HP Male	10,000 psi
HMJ4-HM6	1/4" JIC Male x 3/8" HP Male	10,000 psi
HMJ4-HM9	1/4" JIC Male x 9/16" HP Male	10,000 psi
HMJ6-HM4	3/8" JIC Male x 1/4" HP Male	10,000 psi
HMJ6-HM6	3/8" JIC Male x 3/8" HP Male	10,000 psi
HMJ6-HM9	3/8" JIC Male x 9/16" HP Male	10,000 psi
HMJ8-HM4	1/2" JIC Male x 1/4" HP Male	10,000 psi
HMJ8-HM6	1/2" JIC Male x 3/8" HP Male	10,000 psi
HMJ8-HM9	1/2" JIC Male x 9/16" HP Male	10,000 psi



JIC Male x Medium Pressure Male

Part Number	Description	Max Working Pressure
HMJ4-MM4	1/4" JIC Male x 1/4" MP Male	10,000 psi
HMJ4-MM6	1/4" JIC Male x 3/8" MP Male	10,000 psi
HMJ4-MM9	1/4" JIC Male x 9/16" MP Male	10,000 psi
HMJ6-MM4	3/8" JIC Male x 1/4" MP Male	10,000 psi
HMJ6-MM6	3/8" JIC Male x 3/8" MP Male	10,000 psi
HMJ6-MM9	3/8" JIC Male x 9/16" MP Male	10,000 psi
HMJ6-MM12	3/8" JIC Male x 3/4" MP Male	10,000 psi
HMJ8-MM4	1/2" JIC Male x 1/4" MP Male	10,000 psi
HMJ8-MM6	1/2" JIC Male x 3/8" MP Male	10,000 psi
HMJ8-MM9	1/2" JIC Male x 9/16" MP Male	10,000 psi
HMJ8-MM12	1/2" JIC Male x 3/4" MP Male	10,000 psi
HMJ8-MM16	1/2" JIC Male x 1" MP Male	10,000 psi
HMJ16-MM12	1" JIC Male x 3/4" MP Male	10,000 psi
HMJ16-MM16	1" JIC Male x 1" MP Male	10,000 psi



JIC Caps

Part Number	Description	Max Working Pressure
HFJ4-CAP	1/4" JIC Female Cap	10,000 psi
HFJ6-CAP	3/8" JIC Female Cap	10,000 psi
HFJ8-CAP	1/2" JIC Female Cap	10,000 psi
HFJ12-CAP	3/4" JIC Female Cap	10,000 psi
HFJ16-CAP	1" JIC Female Cap	10,000 psi



JIC Plugs

Part Number	Description	Max Working Pressure
HMJ4-PLUG	1/4" JIC Male Plug	10,000 psi
HMJ6-PLUG	3/8" JIC Male Plug	10,000 psi
HMJ8-PLUG	1/2" JIC Male Plug	10,000 psi
HMJ12-PLUG	3/4" JIC Male Plug	10,000 psi
HMJ16-PLUG	1" JIC Male Plug	10,000 psi



Type M Adapters

SPIR STAR Type M adapters are for use with Type M swivel hose end fittings. These adapters seal with a 58 degree cone and are rated for working pressures up to 50,000 psi.

Common Description	Actual Thread Dimension
M9	9/16"-18 Thread
M12	3/4"-16 Thread
M14	7/8"-14 Thread
M16	1"-12 Thread
M18	1 1/8"-12 Thread
M21	1 5/16"-12 Thread

Type M Male x Male (Hex Nipples)

Part Number	Description	Max Working Pressure
M9-M9	9/16"-18 Type M x 9/16"-18 Type M	50,000 psi
M12-M9	3/4"-16 Type M x 9/16"-18 Type M	30,000 psi
M12-M12	3/4"-16 Type M x 3/4"-16 Type M	30,000 psi
M14-M9	7/8"-14 Type M x 9/16"-18 Type M	50,000 psi
M14-M14	7/8"-14 Type M x 7/8"-14 Type M	50,000 psi
M16-M9	1"-12 Type M x 9/16"-18 Type M	30,000 psi
M16-M12	1"-12 Type M x 3/4"-16 Type M	30,000 psi
M16-M16	1"-12 Type M x 1"-12 Type M	30,000 psi
M18-M9	1 1/8"-12 Type M x 9/16"-18 Type M	50,000 psi
M18-M14	1 1/8"-12 Type M x 7/8"-14 Type M	50,000 psi
M18-M18	1 1/8"-12 Type M x 1 1/8"-12 Type M	50,000 psi
M21-M16	1 5/16"-12 Type M x 1"-12 Type M	20,000 psi
M21-M21	1 5/16"-12 Type M x 1 5/16"-12 Type M	20,000 psi



Type M Male x NPT Male

Part Number	Description	Max Working Pressure
M9-NM4	9/16"-18 Type M x 1/4" NPT Male	15,000 psi
M9-NM6	9/16"-18 Type M x 3/8" NPT Male	15,000 psi
M9-NM8	9/16"-18 Type M x 1/2" NPT Male	15,000 psi
M9-NM12	9/16"-18 Type M x 3/4" NPT Male	10,000 psi
M9-NM16	9/16"-18 Type M x 1" NPT Male	10,000 psi
M12-NM4	3/4"-16 Type M x 1/4" NPT Male	15,000 psi
M12-NM6	3/4"-16 Type M x 3/8" NPT Male	15,000 psi
M12-NM8	3/4"-16 Type M x 1/2" NPT Male	15,000 psi
M12-NM12	3/4"-16 Type M x 3/4" NPT Male	10,000 psi
M12-NM16	3/4"-16 Type M x 1" NPT Male	10,000 psi
M16-NM6	1"-12 Type M x 3/8" NPT Male	15,000 psi
M16-NM8	1"-12 Type M x 1/2" NPT Male	15,000 psi
M16-NM12	1"-12 Type M x 3/4" NPT Male	10,000 psi
M16-NM16	1"-12 Type M x 1" NPT Male	10,000 psi
M21-NM8	1 5/16"-12 Type M x 1/2" NPT Male	15,000 psi
M21-NM12	1 5/16"-12 Type M x 3/4" NPT Male	10,000 psi
M21-NM16	1 5/16"-12 Type M x 1" NPT Male	10,000 psi



Type M Male x Medium Pressure Male

Part Number	Description	Max Working Pressure
M9-MP4	9/16"-18 Type M x 1/4" MP Male	20,000 psi
M9-MP6	9/16"-18 Type M x 3/8" MP Male	20,000 psi
M9-MP9	9/16"-18 Type M x 9/16" MP Male	20,000 psi
M9-MP12	9/16"-18 Type M x 3/4" MP Male	20,000 psi
M9-MP16	9/16"-18 Type M x 1" MP Male	20,000 psi
M12-MP4	3/4"-16 Type M x 1/4" MP Male	20,000 psi
M12-MP6	3/4"-16 Type M x 3/8" MP Male	20,000 psi
M12-MP9	3/4"-16 Type M x 9/16" MP Male	20,000 psi
M12-MP12	3/4"-16 Type M x 3/4" MP Male	20,000 psi
M12-MP16	3/4"-16 Type M x 1" MP Male	20,000 psi
M16-MP6	1"-12 Type M x 3/8" MP Male	20,000 psi
M16-MP9	1"-12 Type M x 1/2" MP Male	20,000 psi
M16-MP12	1"-12 Type M x 3/4" MP Male	20,000 psi
M16-MP16	1"-12 Type M x 1" MP Male	20,000 psi
M21-MP9	1 5/16" Type M x 1/2" MP Male	20,000 psi
M21-MP12	1 5/16" Type M x 3/4" MP Male	20,000 psi
M21-MP16	1 5/16" Type M x 1" MP Male	20,000 psi



Type M Male x High Pressure Male

Part Number	Description	Max Working Pressure
M9-HP4	9/16"-18 Type M x 1/4" HP Male	50,000 psi
M9-HP6	9/16"-18 Type M x 3/8" HP Male	50,000 psi
M9-HP9	9/16"-18 Type M x 9/16" HP Male	50,000 psi
M12-HP4	3/4"-16 Type M x 1/4" HP Male	30,000 psi
M12-HP6	3/4"-16 Type M x 3/8" HP Male	30,000 psi
M12-HP9	3/4"-16 Type M x 9/16" HP Male	30,000 psi
M14-HP6	7/8"-14 Type M x 3/8" HP Male	50,000 psi
M14-HP9	7/8"-14 Type M x 9/16" HP Male	50,000 psi
M16-HP6	1"-12 Type M x 3/8" HP Male	30,000 psi
M16-HP9	1"-12 Type M x 9/16" HP Male	30,000 psi
M16-HP16	1"-12 Type M x 1" HP Male	30,000 psi
M18-HP9	1 1/8"-12 Type M x 9/16" HP Male	50,000 psi
M21-HP9	1 5/16"-12 Type M x 9/16" HP Male	20,000 psi



Type M Caps

Part Number	Description	Max Working Pressure
M9-CAP	9/16"-18 Type M Cap	50,000 psi
M12-CAP	3/4"-16 Type M Cap	30,000 psi
M16-CAP	1"-12 Type M Cap	30,000 psi
M21-CAP	1 5/16"-12 Type M Cap	20,000 psi



Type M Plugs

Part Number	Description	Max Working Pressure
M9-PLUG	9/16"-18 Type M Plug	50,000 psi
M12-PLUG	3/4"-16 Type M Plug	30,000 psi
M16-PLUG	1"-12 Type M Plug	30,000 psi
M21-PLUG	1 5/16"-12 Type M Plug	20,000 psi




BSPP Adapters

SPIR STAR BSPP fittings are available with both internal and external sealing cones.

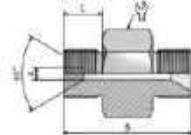
Ext	120 degree external sealing cone
Int	60 degree internal sealing cone

Please note that when sealing BSPP adapters with bonded seals rather than on the cone, the working pressure of the fitting may be lower than the working pressure stated on the fitting.

BSPP Adapters		
Part Number	Description	Max Working Pressure
C09-125-1680	1/4" MBSPP-Ext. x 1/4" HP Male	30,000 psi
C09-125-1681	1/4" MBSPP-Ext. x 1/4" MP Male	20,000 psi
C19-950-0029	1/4" MBSPP-Ext. x 9/16"-18 Type M Male	30,000 psi
C19-950-1601	1/4" MBSPP-Ext. x 1/4" MBSPP-Ext.	30,000 psi
C19-950-1602	1/4" MBSPP-Ext. x 1/4" MBSPP-Int.	30,000 psi
C19-950-1622	1/4" MBSPP-Int. x 1/4" MBSPP-Int.	30,000 psi
C19-950-1623	1/4" MBSPP-Int. x 1/4" NPT Male	15,000 psi
C19-950-1624	1/4" MBSPP-Int. x 1/2" NPT Male	15,000 psi
C19-950-1625	1/4" MBSPP-Ext. x 1/4" NPT Male	15,000 psi
C19-950-1680	1/4" BSPP Female Cross	30,000 psi
C19-950-1681	1/4" BSPP Female Tee	30,000 psi
C19-950-HEBM4	1/4" MBSPP-Ext. Elbow	30,000 psi
C19-950-PLUG	1/4" MBSPP-Ext. Plug	30,000 psi
C19-950-0062	1/4" BSPP Bonded Seal	14,500 psi
C19-950-0083	1/4" BSPP Bonded Seal	21,750 psi



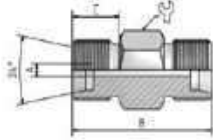
BSPP Male Connectors-int.		
Part Number	Description	Max Working Pressure
D-DKR-G1/4-5	G1/4" Male Connector	40,600 psi
D-DKR-G3/8-5	G3/8" Male Connector	40,600 psi
D-DKR-G1/2-5	G1/2" Male Connector	29,000 psi




Metric Adapters (for o-ring seal)

SPIR STAR metric adapters are for use with HP and/or Metric connection for o-ring seal. These adapters seal with a 24 degree cone.

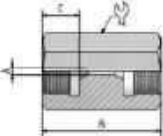
Metric Male x Male (for o-ring seal)		
Part Number	Description	Max Working Pressure
D-DKOS-M24-5	M24x1.5 Male Connector	40,600 psi
D-DKOS-M36-5	M36x1.5 Male Connector	20,300 psi
D-DKOS-M42-5	M42x2 Male Connector	6,960 psi



High-Pressure Gland Nuts & Collars		
Part Number	Description	Max Working Pressure
6000025	1/4"x28UNF LH Collar for M16x1.5 (6000305)	58,000 psi
6000035	3/8"x24UNF LH Collar for M20x1.5 (6000375)	58,000 psi
6000055	9/16"x18UNF LH Collar for M30x2 (6000395)	58,000 psi
6000285	M14x1.5 LH Collar for M30x2 (6000395)	58,000 psi
6000265	M18x1.5 LH Collar for M30x2 (6001395)	58,000 psi
6000305	M16x1.5 Gland Nut	58,000 psi
6000375	M20x1.5 Gland Nut	58,000 psi
6001395	M30x2 Gland Nut for M18x1.5 (6000265)	58,000 psi
6000395	M30x2 Gland Nut for M14x1.5 LH (6000285) and 9/16"x18UNF LH (6000055)	58,000 psi




High-Pressure Female Couplings		
Part Number	Description	Max Working Pressure
D-HD-1/4-5	M16x1.5 Female Coupling	58,000 psi
D-HD-3/8-5	M20x1.5 Female Coupling	58,000 psi
D-HD-9/16-5	M30x2 Female Coupling	58,000 psi




Quick Disconnect Couplings

SPIR STAR offers a variety of Quick Disconnect Couplings in multiple thread styles and working pressures up to 30,000 psi.


Screw Type Quick Disconnects (no check valve) - Stainless Steel		
Part Number	Description	Max Working Pressure
CQD-08-SET	1/2" NPT Female Screw Together Quick Disconnect Set	15,000 psi
CQD-MP9-SET	9/16" MP Female Screw Together Quick Disconnect Set	20,000 psi



Screw Type Quick Disconnects (with check valve) - Hydraulic Service		
Part Number	Description	Max Working Pressure
C-700-1452	1/4" NPT Male Screw Together Quick Disconnect Coupler	10,000 psi
C-700-6402	1/4" NPT Female Screw Together Quick Disconnect Nipple	10,000 psi
C-700-1454	3/8" NPT Male Screw Together Quick Disconnect Coupler	10,000 psi
C-700-6404	3/8" NPT Female Screw Together Quick Disconnect Nipple	10,000 psi
C-700-1452-m-cap	Metal cap male 1/4" NPT for 700 bar	
C-700-6402-fm-cap	Metal cap 1/4" NPT female for 700 bar coupling	
C-700-1454-m-cap	Metal cap male 3/8" NPT for 700 bar	
C-700-6404-fm-cap	Metal cap 3/8" NPT female for 700 bar coupling	



Push/Pull Type Quick Disconnects (no check valve) - Waterblast Service		
Part Number	Description	Max Working Pressure
CQD-08-FD-F	1/2" NPT Female Push/Pull Quick Disconnect Coupler	10,000 psi
CQD-08-FD-M	1/2" NPT Female Push/Pull Quick Disconnect Nipple	10,000 psi



SPC Series Quick Disconnect Couplings

30,000 psi maximum working pressure

- Stainless Steel construction
- 0.25" inner diameter (ID) port size
- Rated for full working pressure when disconnected

Quick Disconnect Female Couplers with Check Valve

Part Number	Description	Max Working Pressure
SPC600-0-M9	Coupler with Check Valve x 9/16"-18 Type M	30,000 psi
SPC600-0-M12	Coupler with Check Valve x 3/4"-16 Type M	30,000 psi
SPC600-0-M16	Coupler with Check Valve x 1"-12 Type M	30,000 psi
SPC600-0-MJ4	Coupler with Check Valve x 1/4" JIC Male	10,000 psi
SPC600-0-MJ6	Coupler with Check Valve x 3/8" JIC Male	10,000 psi
SPC600-0-MJ8	Coupler with Check Valve x 1/2" JIC Male	10,000 psi
SPC600-0-NM4	Coupler with Check Valve x 1/4" NPT Male	15,000 psi
SPC600-0-NM6	Coupler with Check Valve x 3/8" NPT Male	15,000 psi
SPC600-0-NM8	Coupler with Check Valve x 1/2" NPT Male	15,000 psi
SPC600-0-NF4	Coupler with Check Valve x 1/4" NPT Female	15,000 psi
SPC600-0-NF6	Coupler with Check Valve x 3/8" NPT Female	15,000 psi
SPC600-0-NF8	Coupler with Check Valve x 1/2" NPT Female	15,000 psi
SPC600-0-MP4	Coupler with Check Valve x 1/4" MP Male	20,000 psi
SPC600-0-MP6	Coupler with Check Valve x 3/8" MP Male	20,000 psi
SPC600-0-MP9	Coupler with Check Valve x 9/16" MP Male	20,000 psi
SPC600-0-HP4	Coupler with Check Valve x 1/4" HP Male	30,000 psi
SPC600-0-HP6	Coupler with Check Valve x 3/8" HP Male	30,000 psi
SPC600-0-HP9	Coupler with Check Valve x 9/16" HP Male	30,000 psi
SPC600-0-X13	Coupler with Check Valve x Low Angle Male	30,000 psi



Quick Disconnect Male Nipples with Check Valve

Part Number	Description	Max Working Pressure
SPC600-2-M9	Nipple with Check Valve x 9/16"-18 Type M	30,000 psi
SPC600-2-M12	Nipple with Check Valve x 3/4"-16 Type M	30,000 psi
SPC600-2-M16	Nipple with Check Valve x 1"-12 Type M	30,000 psi
SPC600-2-MJ4	Nipple with Check Valve x 1/4" JIC Male	10,000 psi
SPC600-2-MJ6	Nipple with Check Valve x 3/8" JIC Male	10,000 psi
SPC600-2-MJ8	Nipple with Check Valve x 1/2" JIC Male	10,000 psi
SPC600-2-NM4	Nipple with Check Valve x 1/4" NPT Male	15,000 psi
SPC600-2-NM6	Nipple with Check Valve x 3/8" NPT Male	15,000 psi
SPC600-2-NM8	Nipple with Check Valve x 1/2" NPT Male	15,000 psi
SPC600-2-NF4	Nipple with Check Valve x 1/4" NPT Female	15,000 psi
SPC600-2-NF6	Nipple with Check Valve x 3/8" NPT Female	15,000 psi
SPC600-2-NF8	Nipple with Check Valve x 1/2" NPT Female	15,000 psi
SPC600-2-MP4	Nipple with Check Valve x 1/4" MP Male	20,000 psi
SPC600-2-MP6	Nipple with Check Valve x 3/8" MP Male	20,000 psi
SPC600-2-MP9	Nipple with Check Valve x 9/16" MP Male	20,000 psi
SPC600-2-HP4	Nipple with Check Valve x 1/4" HP Male	30,000 psi
SPC600-2-HP6	Nipple with Check Valve x 3/8" HP Male	30,000 psi
SPC600-2-HP9	Nipple with Check Valve x 9/16" HP Male	30,000 psi
SPC600-2-X13	Nipple with Check Valve x Low Angle Male	30,000 psi



Quick Disconnect Male Nipples without Check Valve		
Part Number	Description	Max Working Pressure
SPC600-I-M9	Nipple without Check Valve x 9/16"-18 Type M	30,000 psi
SPC600-I-M12	Nipple without Check Valve x 3/4"-16 Type M	30,000 psi
SPC600-I-M16	Nipple without Check Valve x 1"-12 Type M	30,000 psi
SPC600-I-MJ4	Nipple without Check Valve x 1/4" JIC Male	10,000 psi
SPC600-I-MJ6	Nipple without Check Valve x 3/8" JIC Male	10,000 psi
SPC600-I-MJ8	Nipple without Check Valve x 1/2" JIC Male	10,000 psi
SPC600-I-NM4	Nipple without Check Valve x 1/4" NPT Male	15,000 psi
SPC600-I-NM6	Nipple without Check Valve x 3/8" NPT Male	15,000 psi
SPC600-I-NM8	Nipple without Check Valve x 1/2" NPT Male	15,000 psi
SPC600-I-NF4	Nipple without Check Valve x 1/4" NPT Female	15,000 psi
SPC600-I-NF6	Nipple without Check Valve x 3/8" NPT Female	15,000 psi
SPC600-I-NF8	Nipple without Check Valve x 1/2" NPT Female	15,000 psi
SPC600-I-MP4	Nipple without Check Valve x 1/4" MP Male	20,000 psi
SPC600-I-MP6	Nipple without Check Valve x 3/8" MP Male	20,000 psi
SPC600-I-MP9	Nipple without Check Valve x 9/16" MP Male	20,000 psi
SPC600-I-HP4	Nipple without Check Valve x 1/4" HP Male	30,000 psi
SPC600-I-HP6	Nipple without Check Valve x 3/8" HP Male	30,000 psi
SPC600-I-HP9	Nipple without Check Valve x 9/16" HP Male	30,000 psi
SPC600-I-X13	Nipple without Check Valve x Low Angle Male	30,000 psi




Valves

SPIR STAR offers a large variety of needle, ball, and check valves with several thread variations and working pressures up to 60,000 psi.

Repair kits for all valve types are offered by SPIR STAR. Also, stainless steel handles are available for needle valves upon request.


Two Way Needle Valves - 15K

Part Number	Description	Max Working Pressure
HVNF4-15K	1/4" NPT Female Two Way Straight Needle Valve	15,000 psi
HVNF6-15K	3/8" NPT Female Two Way Straight Needle Valve	15,000 psi
HVNF8-15K	1/2" NPT Female Two Way Straight Needle Valve	15,000 psi
HVNF8NM8-15K	1/2" NPT Female x 1/2" NPT Male Two Way Straight Needle Valve	15,000 psi




Two Way Needle Valves - 20K

Part Number	Description	Max Working Pressure
HVMF4-20K	1/4" MP Female Two Way Straight Needle Valve	20,000 psi
HVMF6-20K	3/8" MP Female Two Way Straight Needle Valve	20,000 psi
HVMF9-20K	9/16" MP Female Two Way Straight Needle Valve	20,000 psi
HVMF9-12-20K	9/16" MP Female Two Way Angle Needle Valve	20,000 psi
HVMF16-20K	1" MP Female Two Way Straight Needle Valve	20,000 psi




Two Way Needle Valves - 30K to 60K

Part Number	Description	Max Working Pressure
HVHF4-30K	1/4" HP Female Two Way Straight Needle Valve	30,000 psi
HVHF6-30K	3/8" HP Female Two Way Straight Needle Valve	30,000 psi
HVHF9-30K	9/16" HP Female Two Way Straight Needle Valve	30,000 psi
HVHF4-60K	1/4" HP Female Two Way Straight Needle Valve	60,000 psi
HVHF4-12-60K	1/4" HP Female Two Way Angle Needle Valve	60,000 psi
HVHF6-60K	3/8" HP Female Two Way Straight Needle Valve	60,000 psi
HVHF9-60K	9/16" HP Female Two Way Straight Needle Valve	60,000 psi
HVHF9-12-60K	9/16" HP Female Two Way Angle Needle Valve	60,000 psi




Two Way Ball Valves - 15K


Part Number	Description	Max Working Pressure
HVBNF4-15K	1/4" NPT Female Two Way Straight Ball Valve	15,000 psi
HVBNF6-15K	3/8" NPT Female Two Way Straight Ball Valve	15,000 psi
HVBNF8-15K	1/2" NPT Female Two Way Straight Ball Valve	15,000 psi
HVBNF4-15K	1/4" NPT Female Two Way Straight Ball Valve	15,000 psi




Two Way Ball Valves - 20K		
Part Number	Description	Max Working Pressure
HVBMF4-20K	1/4" MP Female Two Way Straight Ball Valve	20,000 psi
HVBMF6-20K	3/8" MP Female Two Way Straight Ball Valve	20,000 psi
HVBMF9-20K	9/16" MP Female Two Way Straight Ball Valve	20,000 psi




NPT Check Valves - 15K		
Part Number	Description	Max Working Pressure
CV-NF4-SS	1/4" NPT Female Check Valve	15,000 psi
CV-NF6-SS	3/8" NPT Female Check Valve	15,000 psi
CV-NF8-SS	1/2" NPT Female Check Valve	15,000 psi



Medium Pressure Check Valves - 20K		
Part Number	Description	Max Working Pressure
CV-MF4-SS	1/4" MP Female Check Valve with soft seat	15,000 psi
CV-MF6-SS	3/8" MP Female Check Valve with soft seat	15,000 psi
CV-MF9-SS	9/16" MP Female Check Valve with soft seat	15,000 psi
CV-MF4-BS	1/4" MP Female Check Valve with ball seat	15,000 psi
CV-MF6-BS	3/8" MP Female Check Valve with ball seat	15,000 psi
CV-MF9-BS	9/16" MP Female Check Valve with ball seat	15,000 psi



High Pressure Check Valves - 60K		
Part Number	Description	Max Working Pressure
CV-HF4-SS	1/4" HP Female Check Valve with soft seat	60,000 psi
CV-HF6-SS	3/8" HP Female Check Valve with soft seat	60,000 psi
CV-HF9-SS	9/16" HP Female Check Valve with soft seat	60,000 psi
CV-HF4-BS	1/4" HP Female Check Valve with ball seat	60,000 psi
CV-HF6-BS	3/8" HP Female Check Valve with ball seat	60,000 psi
CV-HF9-BS	9/16" HP Female Check Valve with ball seat	60,000 psi



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