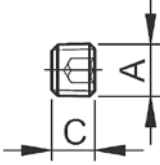
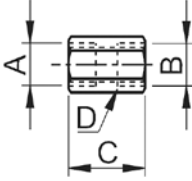
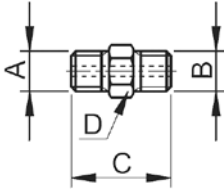
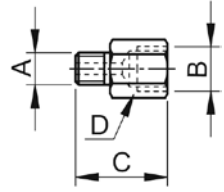
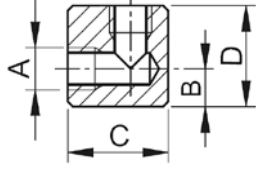
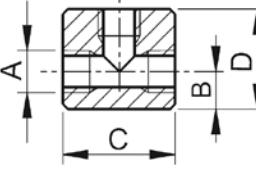
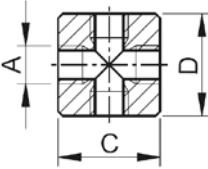


# HIGH PRESSURE - UHP equipment

## Connectors

Adapters intended to connect quick release couplings with UHP hoses and to connect to UHP porting blocks. Made of black zinc-plated steel.

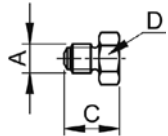
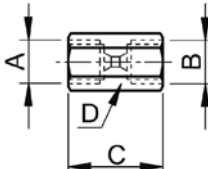
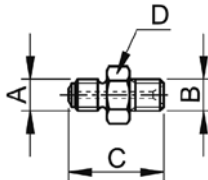
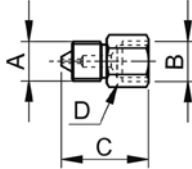
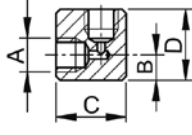
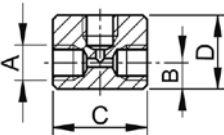
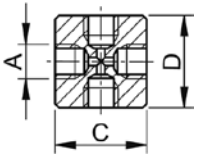
Working pressure: 700 bar at safety factor 4:1, 1000 bar at safety factor 2.8:1.

picture	code	description	dimensions			
			A	B	C	D
	EU-RC14	dust plug	1/4" NPT	-	10.5	-
	EU-RC38		3/8" NPT	-		-
	EU-RS14	straight connector with female thread	1/4" NPT	1/4" NPT	32	19
	EU-RS38		3/8" NPT	3/8" NPT	34	24
	EU-RS52		1/4" NPT			
	EU-RN14	straight connector with male thread	1/4" NPT	1/4" NPT	39	17
	EU-RN38		3/8" NPT	3/8" NPT	41	
	EU-RN381				70	
	EU-RN382				120	
	EU-RN52		1/4" NPT	41		
	EU-RR23	straight connector with male/female thread	1/4" BSP 120°	3/8" NPT	41	24
	EU-RR24		1/4" NPT		40	
	EU-RR52		3/8" NPT	1/4" NPT	19	
	EU-RR02		1/2" BSP		22	
	EU-RR26		1/4" NPT		40	30
	EU-RR501		3/8" NPT	1/2" BSP		
			EU-RE14	elbow connector	1/4" NPT	15
EU-RE38		3/8" NPT	15		40	40
	EU-RT14	tee connector	1/4" NPT	12.5	40	35
	EU-RT38		3/8" NPT	15	45	40
	EU-RX14	cross connector	1/4" NPT	-	45	45
	EU-RX38		3/8" NPT	-		

# HIGH PRESSURE - UHP equipment

## Connectors

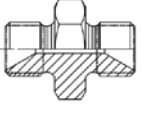
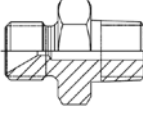
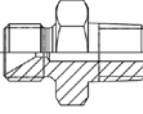
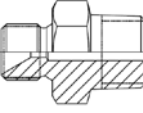
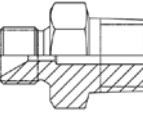
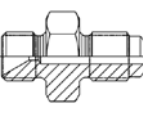
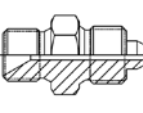
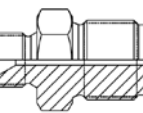
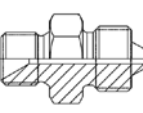
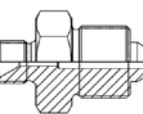
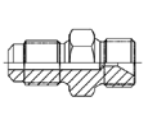
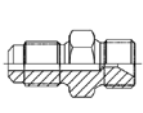
Adapters intended to connect quick release couplings with UHP hoses and to connect to UHP porting blocks. Made of black zinc-plated steel.

picture	code	description	dimensions				press. [bar]		
			A	B	C	D			
	EU-RC15	dust plug	1/4" BSP 120°	-	28	22	2000		
	EU-RC34		3/4"-16 UNF 60°	-	32	22	3000		
	EU-RS15	straight connector with female thread	1/4" BSP 120°	1/4" BSP 120°	40	19	2000		
	EU-RS34		3/4"-16 UNF 60°	3/4"-16 UNF 60°	42	27	3000		
	EU-RN15	straight connector with male thread	1/4" BSP 120°	1/4" BSP 120°	46	22	2000		
	EU-RN29			1/4" NPT	43				
	EU-RN53			3/8" NPT	45				
	EU-RN17		1/4" BSP 60°	1/4" BSP 60°	34				
	EU-RN31			1/4" NPT	37				
	EU-RN55			3/8" NPT	39				
	EU-RN32		1/4" BSP 120°	1/4" BSP 60°	40	22	3000		
	EU-RN33				M16X1.5 60°			39	
	EU-RN28		3/4"-16 UNF 60°	1/2" BSP	44				
	EU-RN34			3/4"-16 UNF 60°	54				
	EU-RN34O			3/4"-16 UNF 60°	63				
	EU-RN49		3/4"-16 UNF 60°	1/4" BSP 120°	50				
	EU-RN51			1/4" BSP 60°	44				
	EU-RN50			M16X1.5 60°	50				
	EU-RR49	straight connector with male/female thread	3/4"-16 UNF 60°	1/4" BSP 120°	42			22	2000
	EU-RR51O		3/8" BSP 60°	1/2" BSP	53			27	3000
	EU-RE15	elbow connector	1/4" BSP 120°	12.5	35			35	2000
	EU-RE34		3/4"-16 UNF 60°	12.5	40			40	3000
	EU-RT15	tee connector	1/4" BSP 120°	12.5	40			40	2000
	EU-RT34		3/4"-16 UNF 60°	12.5	45			35	3000
	EU-RX15	cross connector	1/4" BSP 120°	-	45	45	2000		
	EU-RX34		3/4"-16 UNF 60°	-	55	55	3000		

# HIGH PRESSURE - UHP equipment

## Connectors

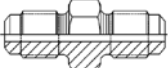
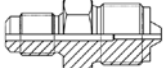
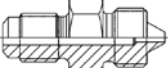


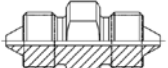

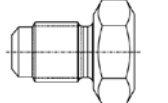
Adapters enable connection of quick release couplings with Ultra High Pressure (UHP) hoses as well as connection of the assemblies with UHP porting blocks. Made of black zinc-plated steel.

picture	code	A1 thread	seal	A2 thread	seal	L [mm]	span. [mm]	press. [bar]
	CJ-HP-199501622	BSP 1/4"	60° inner cone	BSP 1/4"	60° inner cone	31.5	21	2500
	CJ-HP-199501623	BSP 1/4"	60° inner cone	NPT 1/4"	on thread	32	21	1500
	CJ-HP-199501621	BSP 1/4"	60° inner cone	BSPT 1/4"	on thread	33	21	
	CJ-HP-199501603	BSP 1/4"	60° inner cone	NPT 3/8"	on thread	34	21	
	CJ-HP-199501604	BSP 1/4"	60° inner cone	BSPT 3/8"	on thread	35	21	
	CJ-HP-199501602	BSP 1/4"	60° inner cone	BSP 1/4"	120° outer cone	39	21	
	CJ-HP-199501605	BSP 1/4"	60° inner cone	UNF 9/16"-18	60° outer cone	37	17	2500
	CJ-HP-199501606	BSP 1/4"	60° inner cone	UNF 3/4"-16	60° outer cone	42	21	
	CJ-HP-199501607	BSP 1/4"	60° inner cone	M16x1.5	60° outer cone	37	19	
	CJ-HP-199501608	BSP 1/4"	60° inner cone	M22x1.5	60° outer cone	48	27	
	CJ-HP-199500028	BSP 1/4"	120° outer cone	M14x1.5	60° inner cone	37.5	17	
	CJ-HP-199500029	BSP 1/4"	120° outer cone	UNF 9/16"-18	60° inner cone	37.5	17	

# HIGH PRESSURE - UHP equipment

## Connectors

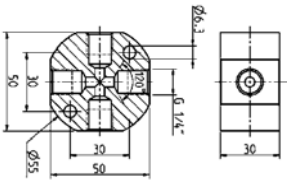
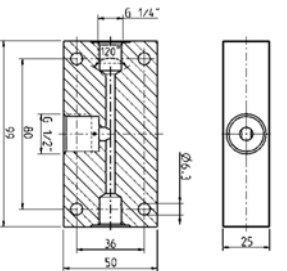
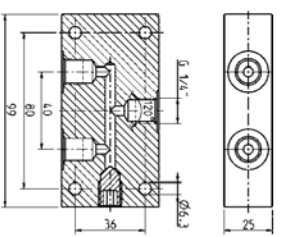
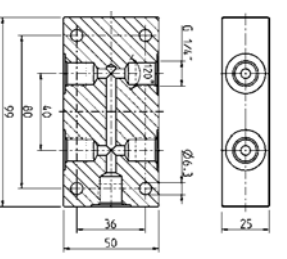
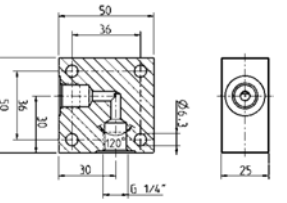
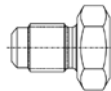
UHP adapters - continued:

picture	code	A1 thread	seal	A2 thread	seal	L [mm]	span. [mm]	press. [bar]
	CJ-HP-199501601	BSP 1/4"	120° outer cone	BSP 1/4"	120° outer cone	45	17	3000
	CJ-HP-199501404	BSP 1/4"	120° outer cone	NPT 3/8"	on thread	40	19	1500
	CJ-HP-199501611	BSP 1/4"	120° outer cone	UNF 3/4"-16	60° outer cone	48.5	21	3000
	CJ-HP-199501610	BSP 1/4"	120° outer cone	M16x1.5	60° outer cone	44	22	
	CJ-HP-199501609	BSP 1/4"	120° outer cone	M22x1.5	60° outer cone	54.5	27	
	CJ-HP-199500022	BSP 1/4"	120° outer cone	UNF 9/16"-18	60° outer cone	43.5	17	
	CJ-HP-199501613	UNF 9/16"-18	60° outer cone	M16x1.5	60° outer cone	44.2	19	
	CJ-HP-199501612	M16x1.5	60° outer cone	M16x1.5	60° outer cone	43	19	
	CJ-HP-199501614	UNF 9/16"-18	60° inner cone	M16x1.5	60° outer cone	38.2	19	
	CJ-HP-199500016	BSP 1/8"	rubber-metal seal	-	-	22	4	1500
	CJ-HP-199500015	BSP 1/4"	rubber-metal seal	-	-	26±0.1	5	
	CJ-HP-199501600	BSP 1/4"	120° outer cone	-	-	27	17	3000

# HIGH PRESSURE - UHP equipment

## Connectors

Porting blocks enable to connect several pressure hoses to one pump as well as to connect a pressure gauge.  
Made of black zinc-plated steel. Flow diameter 5 mm (3/16").

picture	code	description	thread	seal	press. [bar]
	CJ-HP-199501680	4-way porting block (supplied with one blank plug CJ-HP-199501600)	4 x 1/4" BSP	120° inner cone	3000
				rubber-metal seal	1000
	CJ-HP-199501681	3-way pressure gauge block	2 x 1/4" BSP 1 x 1/2" BSP	120° inner cone	2000
				rubber-metal seal	1000
	CJ-HP-199501682	3-way porting block	3 x 1/4" BSP	120° inner cone	3000
				rubber-metal seal	1000
	CJ-HP-199501683	5-way porting block	5 x 1/4" BSP	120° inner cone	3000
				rubber-metal seal	1000
	CJ-HP-199501684	2-way angular block	2 x 1/4" BSP	120° inner cone	3000
				rubber-metal seal	1000
	CJ-HP-199501600	blank plug	1/4" BSP	120° outer cone	3000

# HIGH PRESSURE - UHP equipment

## Connectors - porting blocks

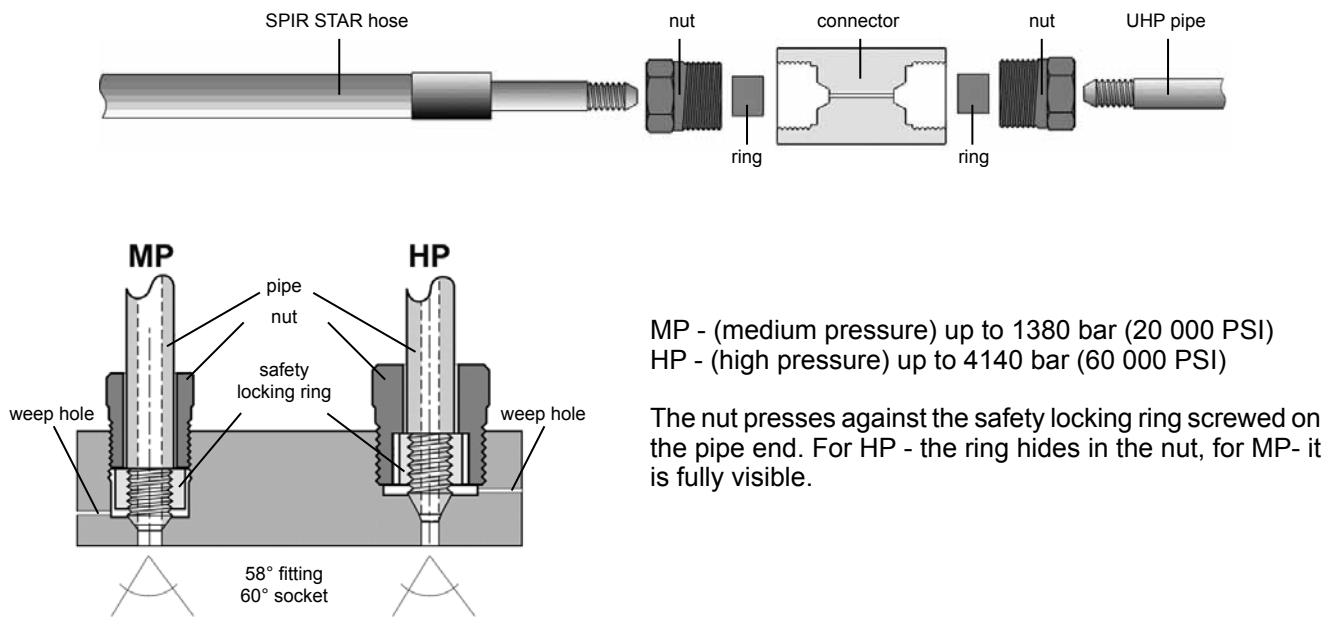
Made of black zinc-plated steel.

Working pressure: 700 bar at safety factor 4:1, 1000 bar at safety factor 2.8:1.

picture	code	description	thread	dimensions	
				A	B
	EU-RB386	multi-level porting block	6 x 3/8" NPT 1 x 1/4" NPT	-	-
	EU-RM387	one level porting block	7 x 3/8" NPT 1 x 1/4" NPT	260	110
	EU-RM389		9 x 3/8" NPT 1 x 1/4" NPT	400	180
	EU-RK383	radial porting block	3 x 3/8" NPT 1 x 1/4" NPT	45	-
	EU-RK385		5 x 3/8" NPT 1 x 1/4" NPT	55	-
	EU-RK387		7 x 3/8" NPT 1 x 1/4" NPT	65	-

# HIGH PRESSURE - UHP equipment

## Information on high pressure connections



MP - (medium pressure) up to 1380 bar (20 000 PSI)  
 HP - (high pressure) up to 4140 bar (60 000 PSI)

The nut presses against the safety locking ring screwed on the pipe end. For HP - the ring hides in the nut, for MP- it is fully visible.

High pressure connections are available in several types, but most of them derive from the Autoclave standard. For MP, HP and HP Waterblast, there is 58° cone at the end of a pipe, and 60° cone in the body of a socket. Metal-to-metal sealing is obtained by interfaces of the cones. HP Waterblast is a derivative of the HP system.

Procedure for the connection described above:

On properly prepared pipe (58° cone + left-hand thread of appropriate length) a nut must be inserted and a safety locking ring screwed. The correct position of the locking ring is reached when one or two threads are visible from the cone side. Once the pipe is ready, it should be placed in the socket, tightened by hand and then with a torque spanner according to working pressure and pipe size requirements.

**Table of safety locking ring thread sizes, nuts and recommended tightening torques.**

characteristic	MP					HP			HP WATERBLAST		
	1/4"	3/8"	9/16"	3/4"	1"	1/4"	3/8"	9/16"	1/4"	3/8"	9/16"
thread on the pipe	1/4"-28 UNF LH	3/8"-24 UNF LH	9/16"-18 UNF LH	3/4"x16 UNF LH	1"x14 UNF LH	1/4"-28 UNF LH	3/8"-24 UNF LH	9/16"-18 UNF LH	1/4"-28 UNF LH	3/8"-24 UNF LH	9/16"-18 UNF LH or M14x1.5 LH
nut thread	7/16"-20 UNF	9/16"-18 UNF	13/16"-16 UNF	3/4"-14 NPSM	1.3/8"-14 NPSM	9/16"-18 UNF	3/4"-16 UNF	1.1/8"-12 UNF	M16x1.5	M20x1.5	M30x2 or M26x1.5
max. work. pressure [bar]	1380	1380	1380	1380	1380	4140	4140	4140	3200	3200	3200
tightening torque [Nm]	30	40	75	145	310	34	68	102	34	68	102

Always wear protective clothing while working close to high pressure devices without housing. Always check the connection. If possible, the start-up of installation should be done at relatively low pressure. Do it for your own safety. In case of faulty connection, leakage of medium through weep hole takes place - see picture above.

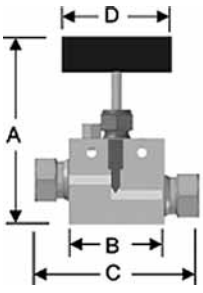
# HIGH PRESSURE - UHP equipment

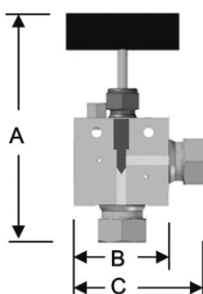
## Connectors

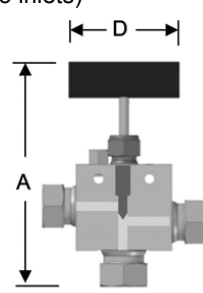
High-pressure (HP) connectors allow to build rigid pipe installations and to attach high pressure hose assemblies. All elements are designed to work under pressure in three ranges: 1380 bar, 2070 bar and 4140 bar. Made of AISI 316L steel, designed to work with liquid and gaseous media.

Working temperature from -73°C up to +315°C.

HP pipe connection with 58° cone and left-hand imperial thread.

picture	code	pipe [inch]	A [mm]	B [mm]	C [mm]	D [mm]	thickn. [mm]	DN [mm]	working pressure	
 <p>Two way straight needle valve</p>	SM-S20V01T01	1/4	123	38.1	70	80	15.88	3.2	20000 PSI 1380 bar	
	SM-S20V01T02	3/8	123	50.8	76	80	19.05	5.5		
	SM-S20V01T03	9/16	160	63.5	96	100	25.4	8		
	SM-S30V01T01	1/4	124	34.93	80	80	25.4	2.4	30000 PSI 2070 bar	
		SM-S30V01T02	3/8	128	44.45	88	80	25.4		3.2
		SM-S30V01T03	9/16	135	66.68	121	80	38.1		3.2
	SM-S60V01T01	1/4	124	34.93	80	80	25.4	1.6	60000 PSI 4140 bar	
		SM-S60V01T02	3/8	128	44.45	88	80	25.4		1.6
		SM-S60V01T03	9/16	135	66.68	121	80	38.1		2

picture	code	pipe [inch]	A [mm]	B [mm]	C [mm]	D [mm]	thickn. [mm]	DN [mm]	working pressure	
 <p>Two way 90° needle valve</p>	SM-S20V02T01	1/4	123	38.1	60	80	15.88	3.2	20000 PSI 1380 bar	
	SM-S20V02T02	3/8	123	50.8	63	80	19.05	5.5		
	SM-S20V02T03	9/16	160	63.5	80	100	25.4	8		
	SM-S30V02T01	1/4	124	34.93	65	80	25.4	2.4	30000 PSI 2070 bar	
		SM-S30V02T02	3/8	128	44.45	69	80	25.4		3.2
		SM-S30V02T03	9/16	135	66.68	94	80	38.1		3.2
	SM-S60V02T01	1/4	124	34.93	65	80	25.4	1.6	60000 PSI 4140 bar	
		SM-S60V02T02	3/8	128	44.45	69	80	25.4		1.6
		SM-S60V02T03	9/16	135	66.68	94	80	38.1		2

picture	code	pipe [inch]	A [mm]	B [mm]	C [mm]	D [mm]	thickn. [mm]	DN [mm]	working pressure	
 <p>Three way needle valve (two inlets)</p>	SM-S20V03T01	1/4	132	38.1	70	80	15.88	3.2	20000 PSI 1380 bar	
	SM-S20V03T02	3/8	136	50.8	76	80	19.05	5.5		
	SM-S20V03T03	9/16	177	63.5	98	100	25.4	8		
	SM-S30V03T01	1/4	138	34.93	80	80	25.4	2.4	30000 PSI 2070 bar	
		SM-S30V03T02	3/8	147	44.45	88	80	25.4		3.2
		SM-S30V03T03	9/16	162	66.68	121	80	38.1		3.2
	SM-S60V03T01	1/4	138	34.93	80	80	25.4	1.6	60000 PSI 4140 bar	
		SM-S60V03T02	3/8	147	44.45	88	80	25.4		1.6
		SM-S60V03T03	9/16	162	66.68	121	80	38.1		2



# HIGH PRESSURE - UHP equipment

## Connectors

picture	code	pipe [inch]	A [mm]	B [mm]	C [mm]	D [mm]	thickn. [mm]	DN [mm]	working pressure
<p>Three way needle valves (one inlet)</p>	SM-S20V04T01	1/4	132	38.1	70	80	15.88	3.2	20000 PSI 1380 bar
	SM-S20V04T02	3/8	136	50.8	76	80	19.05	5.5	
	SM-S20V04T03	9/16	177	63.5	98	100	25.4	8	
	SM-S30V04T01	1/4	138	34.93	80	80	25.4	2.4	30000 PSI 2070 bar
	SM-S30V04T02	3/8	147	44.45	88	80	25.4	3.2	
	SM-S30V04T03	9/16	162	66.68	121	80	38.1	3.2	
	SM-S60V04T01	1/4	138	34.93	80	80	25.4	1.6	60000 PSI 4140 bar
	SM-S60V04T02	3/8	147	44.45	88	80	25.4	1.6	
	SM-S60V04T03	9/16	162	66.68	121	80	38.1	2	

picture	code	pipe [inch]	A [mm]	B [mm]	working pressure
<p>Ring</p>	SM-S20F12T01	1/4	9.5	5.6	20000 PSI 1380 bar
	SM-S20F12T02	3/8	12.4	6.3	
	SM-S20F12T03	9/16	18.4	8	
	SM-S60F12T01	1/4	9.5	9.5	60000 PSI 4140 bar
	SM-S60F12T02	3/8	12.7	13.5	
	SM-S60F12T03	9/16	20.64	20.64	

picture	code	pipe [inch]	A [mm]	span. B [mm]	working pressure
<p>Nut</p>	SM-S20F13T01	1/4	14.5	12.7	20000 PSI 1380 bar
	SM-S20F13T02	3/8	19	15.87	
	SM-S20F13T03	9/16	25.5	22.2	
	SM-S60F13T01	1/4	22	15.88	60000 PSI 4140 bar
	SM-S60F13T02	3/8	30	20.64	
	SM-S60F13T03	9/16	40	30.16	

# HIGH PRESSURE - UHP equipment

## Connectors

picture	code	pipe [inch]	A [mm]	B [mm]	working pressure
<p>Blank plug</p>	SM-S20F11T01	1/4	23.5	9.5	20000 PSI 1380 bar
	SM-S20F11T02	3/8	30.5	12.4	
	SM-S20F11T03	9/16	40	18.3	
	SM-S60F11T01	1/4	28	9.5	60000 PSI 4140 bar
	SM-S60F11T02	3/8	37	12.7	
	SM-S60F11T03	9/16	50	20.64	

picture	code	pipe [inch]	A [mm]	span. B [mm]	working pressure
<p>Cap</p>	SM-S20F10T01	1/4	21	20	20000 PSI 1380 bar
	SM-S20F10T02	3/8	29	26	
	SM-S20F10T03	9/16	35	35	
	SM-S60F10T01	1/4	22.23	16	60000 PSI 4140 bar
	SM-S60F10T02	3/8	31.75	20	
	SM-S60F10T03	9/16	38.1	26	

picture	code	pipe [inch]	A [mm]	B [mm]	span. C [mm]	span. D [mm]	working pressure
<p>Straight connector</p>	SM-S20F08T01	1/4	9.22	44.5	13	26	20000 PSI 1380 bar
	SM-S20F08T02	3/8	12.78	50.8	16	26	
	SM-S20F08T03	9/16	17.12	60.33	23	35	
	SM-S60F08T01	1/4	14.63	41	16	16	60000 PSI 4140 bar
	SM-S60F08T02	3/8	18.68	45	21	20	
	SM-S60F08T03	9/16	26.93	54	31	16	

# HIGH PRESSURE - UHP equipment

## Connectors

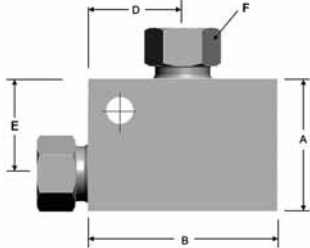
picture	code	pipe [inch]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	J [mm]	span. F [mm]	working pressure
	SM-S20F09T01	1/4	20	48	13.5	25.4	9.22	10	13	20000 PSI 1380 bar
	SM-S20F09T02	3/8	23	55	16	34.9	12.78	10	16	
	SM-S20F09T03	9/16	30	64	19	34.9	17.12	10	23	
	SM-S30F09T01	1/4	23	50	12.7	25.4	14.63	10	16	30000 PSI 2070 bar
	SM-S30F09T02	3/8	30	60.33	19	34.9	18.68	10	21	
	SM-S30F09T03	9/16	43	69.85	25.4	47.63	26.93	10	31	
	SM-S60F09T01	1/4	23	50.8	12.7	25.4	14.63	10	16	60000 PSI 4140 bar
	SM-S60F09T02	3/8	30	60.33	19	34.9	18.68	10	21	
	SM-S60F09T03	9/16	43	69.85	25.4	47.63	26.93	10	31	

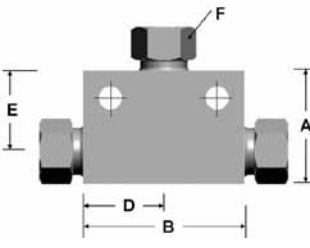
picture	code	pipe [inch]	A [mm]	span. B [mm]	span. C [mm]	working pressure
	SM-S20F14T01	1/4	32.01	16	13	20000 PSI 1380 bar
	SM-S20F14T02	3/8	37.21	20	16	
	SM-S20F14T03	9/16	47.19	26	23	
	SM-S60F14T01	1/4	22	16	-	60000 PSI 4140 bar
	SM-S60F14T02	3/8	30	21	-	
	SM-S60F14T03	9/16	40	31	-	

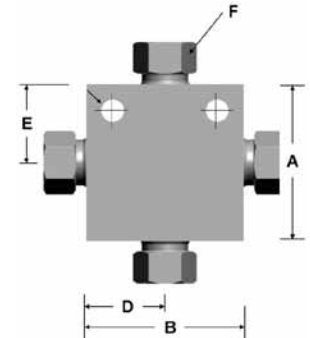
picture	code	pipe [inch]	length [mm/inch]							working pressure
			69.85 2.3/4	76.2 3	101.6 4	152.4 6	203.2 8	254 10	305 12	
	SM-S20F16T01-...	1/4	A	B	C	D	E	F	G	20000 PSI 1380 bar
	SM-S20F16T02-...	3/8	-	-	C	D	E	F	G	
	SM-S20F16T03-...	9/16	-	-	-	D	E	F	G	
	SM-S60F16T01-...	1/4	A	B	C	D	E	F	G	60000 PSI 4140 bar
	SM-S60F16T02-...	3/8	-	-	C	D	E	F	G	
	SM-S60F16T03-...	9/16	-	-	-	D	E	F	G	

# HIGH PRESSURE - UHP equipment

## Connectors

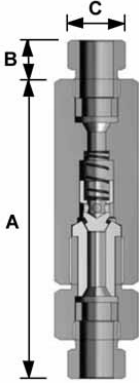
picture	code	pipe [inch]	A [mm]	B [mm]	D [mm]	E [mm]	thickn. [mm]	span. F [mm]	working pressure
	SM-S20F04T01	1/4	28.45	38.1	19.05	19.05	15.88	13	20000 PSI 1380 bar
	SM-S20F04T02	3/8	35.05	50.8	25.4	25.4	19.05	16	
	SM-S20F04T03	9/16	44.45	63.5	31.75	31.75	25.4	23	
	SM-S60F04T01	1/4	38.1	34.93	22.23	25.4	25.4	16	60000 PSI 4140 bar
	SM-S60F04T02	3/8	38.1	44.45	31.75	25.4	25.4	21	
	SM-S60F04T03	9/16	47.63	66.68	47.63	28.58	38.1	31	

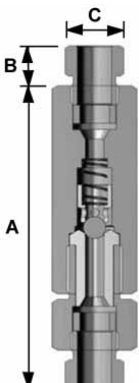
picture	code	pipe [inch]	A [mm]	B [mm]	D [mm]	E [mm]	thickn. [mm]	span. F [mm]	working pressure
	SM-S20F05T01	1/4	28.45	38.1	19.05	19.05	15.88	13	20000 PSI 1380 bar
	SM-S20F05T02	3/8	35.05	50.8	25.4	25.4	19.05	16	
	SM-S20F05T03	9/16	44.45	63.5	31.75	31.75	25.4	23	
	SM-S60F05T01	1/4	34.93	50.8	22.23	22.23	25.4	16	60000 PSI 4140 bar
	SM-S60F05T02	3/8	39.69	50.8	26.99	26.99	25.4	21	
	SM-S60F05T03	9/16	53.98	66.68	34.93	34.93	38.1	31	

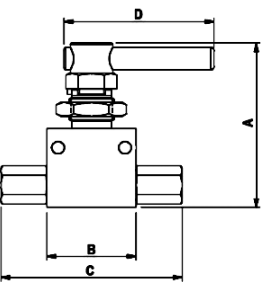
picture	code	pipe [inch]	A [mm]	B [mm]	D [mm]	E [mm]	thickn. [mm]	span. F [mm]	working pressure
	SM-S20F06T01	1/4	38.1	38.1	19.05	19.05	15.88	13	20000 PSI 1380 bar
	SM-S20F06T02	3/8	50.8	50.8	25.4	25.4	19.05	16	
	SM-S20F06T03	9/16	63.5	63.5	31.75	31.75	25.4	23	
	SM-S60F06T01	1/4	38.1	50.8	25.4	19.05	25.4	16	60000 PSI 4140 bar
	SM-S60F06T02	3/8	50.8	53.98	26.99	25.4	25.4	21	
	SM-S60F06T03	9/16	66.68	69.85	34.93	33.34	38.1	31	

# HIGH PRESSURE - UHP equipment

## Connectors

picture	code	pipe [inch]	A [mm]	B [mm]	span. C [mm]	working pressure
	SM-S20F01T01	1/4	75	9.22	13	20000 PSI 1380 bar
	SM-S20F01T02	3/8	80	12.78	16	
	SM-S20F01T03	9/16	114	17.12	23	
	SM-S30F01T01	1/4	86	14.63	16	30000 PSI 2070 bar
	SM-S30F01T02	3/8	97	18.68	21	
	SM-S30F01T03	9/16	117	26.93	31	
	SM-S60F01T01	1/4	86	14.63	16	60000 PSI 4140 bar
	SM-S60F01T02	3/8	97	18.68	21	
	SM-S60F01T03	9/16	117	26.93	31	

picture	code	pipe [inch]	A [mm]	B [mm]	span. C [mm]	working pressure
	SM-S20F02T01	1/4	75	10	13	20000 PSI 1380 bar
	SM-S20F02T02	3/8	80	12	16	
	SM-S20F02T03	9/16	114	13.5	23	
	SM-S30F02T01	1/4	86	14.63	16	30000 PSI 2070 bar
	SM-S30F02T02	3/8	97	18.68	21	
	SM-S30F02T03	9/16	117	26.93	31	
	SM-S60F02T01	1/4	86	14.63	16	60000 PSI 4140 bar
	SM-S60F02T02	3/8	97	18.68	21	
	SM-S60F02T03	9/16	117	26.93	31	

picture	code	thread / pipe	A [mm]	B [mm]	C [mm]	D [mm]	thickn. [mm]	DN [mm]	working pressure
	SM-B15V01T11	1/4" NPT	96	50.5	103.3	70	25.4	6.4	15000 PSI 1034 bar
	SM-B15V01T12	3/8" NPT	96	50.5	103.3	70	25.4	6.4	
	SM-B15V01T13	1/2" NPT	104	76.2	137.7	115	34.9	9.5	
	SM-B20V01T01	1/4"	96	50.5	103.3	70	25.4	2.8	20000 PSI 1380 bar
	SM-B20V01T02	3/8"	96	50.5	103.3	70	25.4	5.2	
	SM-B20V01T03	9/16"	104	76.2	143.9	115	34.9	9	

- For SM-B15 type, connections with NPT female thread; for SM-B20 type, high pressure connections MP.
- Working temperature from -30° C up to +150° C

# HIGH PRESSURE - UHP equipment



## CEJN pressure gauges 940 series

<b>Case:</b>	AISI 316 or AISI 304 steel
<b>Dial:</b>	Aluminium
<b>Needle:</b>	Aluminium or stainless steel
<b>Seal:</b>	Polychloroprene
<b>Filling:</b>	98% glycerine
<b>Working temp.:</b>	From -15°C up to +65°C
<b>Internal protection:</b>	IP 65
<b>Accuracy:</b>	Ø 63: ±1.6% of scale Ø 100, Ø 150: ±1% of scale
<b>Versions:</b>	Bottom connection Back connection

CEJN pressure gauges are designed for ultra-high pressure applications. A measuring range should be selected according to working pressure so as not to exceed 75% of the maximum measuring range. A dual measuring scale - in PSI and BAR standard. Available with bottom or back (panel mounting) connection. The pressure gauges can be mounted using CEJN porting blocks.

code	diameter [mm]	thread size [inch]	pressure [bar / PSI]	version
CJ-HP-199402120	63	BSP 1/4"	1000 / 14500	bottom connection
CJ-HP-199402121		NPT 1/4"	1000 / 14500	
CJ-HP-199403120	100	BSP 1/2"	1000 / 14500	
CJ-HP-199403140		NPT 1/2"	1000 / 14500	
CJ-HP-199403121		BSP 1/2"	1600 / 23200	
CJ-HP-199403122		BSP 1/2"	2060 / 20870	
CJ-HP-199404120	150	BSP 1/2"	1000 / 14500	
CJ-HP-199404121		BSP 1/2"	1600 / 23200	
CJ-HP-199404122		BSP 1/2"	2060 / 29870	
CJ-HP-199402320	63	BSP 1/4"	1000 / 14500	
CJ-HP-199402321		NPT 1/4"	1000 / 14500	
CJ-HP-199403320	100	BSP 1/2"	1000 / 14500	
CJ-HP-199403321		BSP 1/2"	1600 / 23200	
CJ-HP-199403322		BSP 1/2"	2060 / 29870	
CJ-HP-199404320	150	BSP 1/2"	1000 / 14500	
CJ-HP-199404321		BSP 1/2"	1600 / 23200	
CJ-HP-199404322		BSP 1/2"	2060 / 29870	