

Single Acting Self-Pneumatic Return Cylinders



**Capacity:**  
100-1,500 Tons

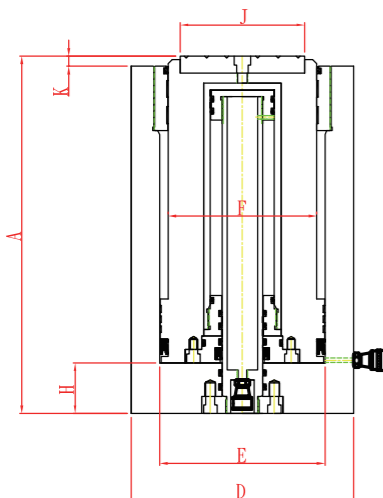
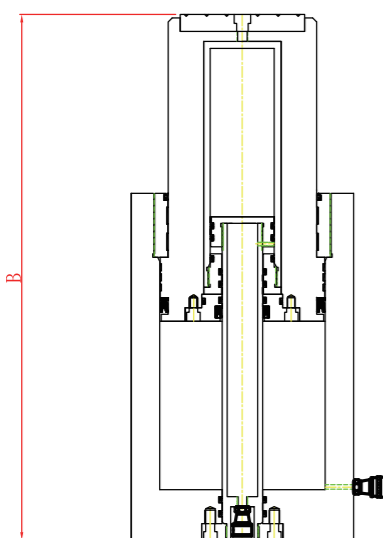
**Stroke:**  
50-500 mm

**Max. Operating Pressure:**  
700bar/10,000psi

**SP Series**



Model No.	Capacity	Stroke	Piston Area	Oil Volume
	Ton/Kn	mm	cm <sup>2</sup>	cm <sup>3</sup>
SP-1002	100	50	157.1	785
SP-1006		150	157.1	2356
SP-10012		300	157.1	4712
SP-10020		500	157.1	7854
SP-1502	150	50	230.71	1154
SP-1506		150	230.71	3461
SP-15012		300	230.71	6922
SP-15020		500	230.71	11536
SP-2002	200	50	306.31	1532
SP-2006		150	306.31	5495
SP-20012		300	306.31	9189
SP-20020		500	306.31	15315
SP-2502	250	50	369.34	1847
SP-2506		150	369.34	5540
SP-25012		300	369.34	11080
SP-25020		500	369.34	18467
SP-3002	300	50	443.17	2216
SP-3006		150	443.17	6647
SP-30012		300	443.17	13295
SP-30020		500	443.17	22185
SP-4002	400	50	582.57	2913
SP-4006		150	582.57	8739
SP-40012		300	582.57	17477
SP-40020		500	582.57	29129
SP-5002	500	50	716.3	3581
SP-5006		150	716.3	10744
SP-50012		300	716.3	21489
SP-50020		500	716.3	35814
SP-6002	600	50	863.74	4319
SP-6006		150	863.74	12956
SP-60012		300	863.74	25912
SP-60020		500	863.74	43187
SP-8002	800	50	1168.67	5843
SP-8006		150	1168.67	17530
SP-80012		300	1168.67	35060
SP-80020		500	1168.67	58434
SP-10002	1000	50	1456.92	7284
SP-10006		150	1456.92	21854
SP-100012		300	1456.92	43708
SP-100020		500	1456.92	72846
SP-12002	1200	50	1745.94	8730
SP-12006		150	1745.94	26189
SP-120012		300	1745.94	52378
SP-120020		500	1745.94	87297
SP-15002	1500	50	2169.47	10847
SP-15006		150	2169.47	32542
SP-150012		300	2169.47	65084
SP-150020		500	2169.47	108474



Single Acting Self-Pneumatic Return Cylinders

- SP Series high tonnage single acting hydraulic cylinders are designed specifically for heavy lifting
- Single-acting, self-pneumatic return, stop ring design
- Special synthetic coating on external surface and plated chrome pistons provide superior corrosion resistance
- C8F coupler and dustcap included on all models
- Customized capacity and strokes available

Collapsed Height	Extended Height	Cylinder Dia.	Bore Dia.	Plunger Dia.	Port Height	Saddle Dia.	Clearance Between Saddle And Stop Ring	Weight	Model No.
A	B	D	E	F	H	J	K	kgs	
mm	mm	mm	mm	mm	mm	mm	mm		
320	370	205	150	130	85	100	15	77	SP-1002
420	570	205	150	130	85	100	15	100	SP-1006
570	870	205	150	130	85	100	15	133	SP-10012
790	1290	205	150	130	85	100	15	184	SP-10020
320	370	245	180	160	85	130	15	111	SP-1502
420	570	245	180	160	85	130	15	144	SP-1506
570	870	245	180	160	85	130	15	193	SP-15012
790	1290	245	180	160	85	130	15	266	SP-15020
320	370	275	205	185	85	150	15	140	SP-2002
420	570	275	205	185	85	150	15	182	SP-2006
570	870	275	205	185	85	150	15	245	SP-20012
790	1290	275	205	185	85	150	15	338	SP-20020
325	375	300	225	200	85	165	15	169	SP-2502
425	575	300	225	200	85	165	15	218	SP-2506
575	875	300	225	200	85	165	15	291	SP-25012
795	1295	300	225	200	85	165	15	401	SP-25020
330	380	330	245	220	85	185	15	208	SP-3002
430	580	330	245	220	85	185	15	268	SP-3006
580	880	330	245	220	85	185	15	358	SP-30012
800	1300	330	245	220	85	185	15	492	SP-30020
350	400	380	280	250	90	215	20	289	SP-4002
450	600	380	280	250	90	215	20	368	SP-4006
600	900	380	280	250	90	215	20	487	SP-40012
820	1320	380	280	250	90	215	20	664	SP-40020
365	415	420	310	275	100	235	25	364	SP-5002
465	615	420	310	275	100	235	25	460	SP-5006
615	915	420	310	275	100	235	25	604	SP-50012
885	1385	420	310	275	100	235	25	872	SP-50020
380	430	460	340	300	110	250	30	450	SP-6002
480	630	460	340	300	110	250	30	565	SP-6006
630	930	460	340	300	110	250	30	737	SP-60012
900	1400	460	340	300	110	250	30	1058	SP-60020
425	475	530	395	350	125	300	40	658	SP-8002
525	675	530	395	350	125	300	40	811	SP-8006
675	975	530	395	350	125	300	40	1040	SP-80012
945	1445	530	395	350	125	300	40	1467	SP-80020
465	515	595	440	390	140	340	50	895	SP-10002
565	715	595	440	390	140	340	50	1088	SP-10006
715	1015	595	440	390	140	340	50	1378	SP-100012
985	1485	595	440	390	140	340	50	1917	SP-100020
475	525	650	480	420	150	360	50	1090	SP-12002
575	725	650	480	420	150	360	50	1310	SP-12006
725	1025	650	480	420	150	360	50	1655	SP-120012
1015	1515	650	480	420	150	360	50	2340	SP-120020
505	555	720	535	470	170	400	60	1405	SP-15002
605	755	720	535	470	170	400	60	1685	SP-15006
755	1055	720	535	470	170	400	60	2160	SP-150012
1075	1575	720	535	470	170	400	60	3040	SP-150020