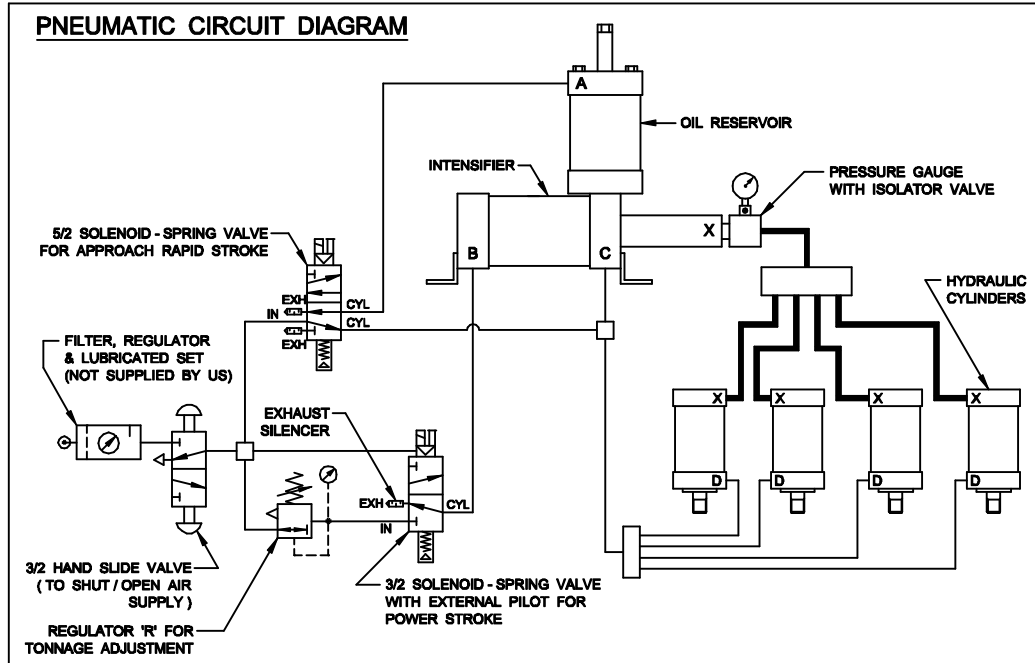


GRAVITY SERIES 'CHZ' MULTI CYLINDER SYSTEM

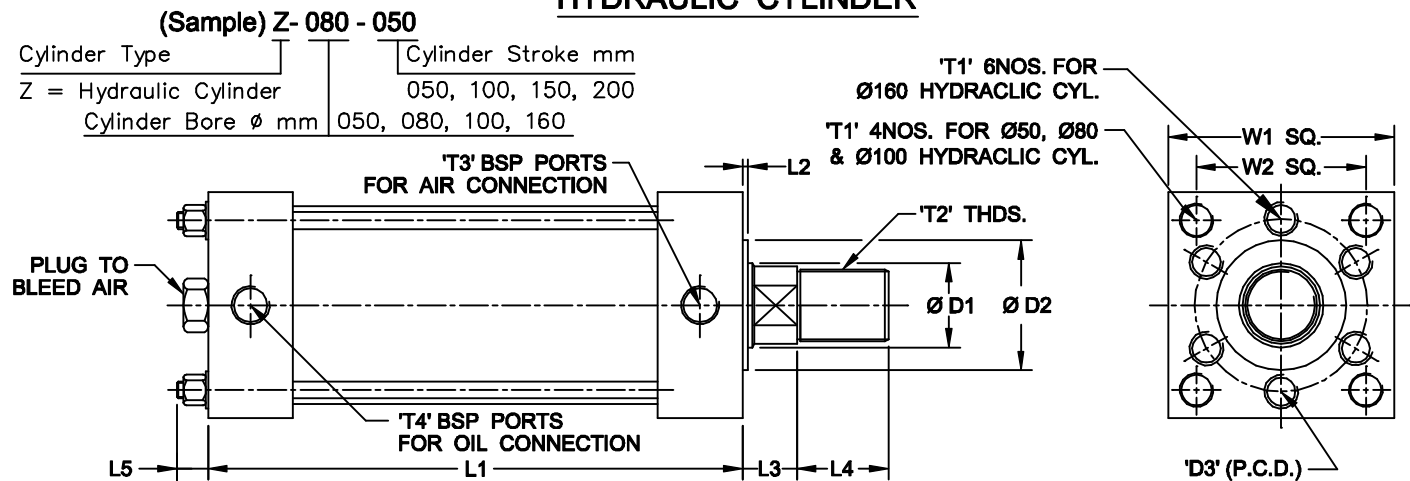
Application

- ▶ To operate two or more Cylinders from a single Reservoir-Intensifier Power unit
- ▶ Whenever required large Power stroke
- ▶ When the length of our standard 'CH' Series Press Cylinder cannot be accommodated

PNEUMATIC CIRCUIT DIAGRAM

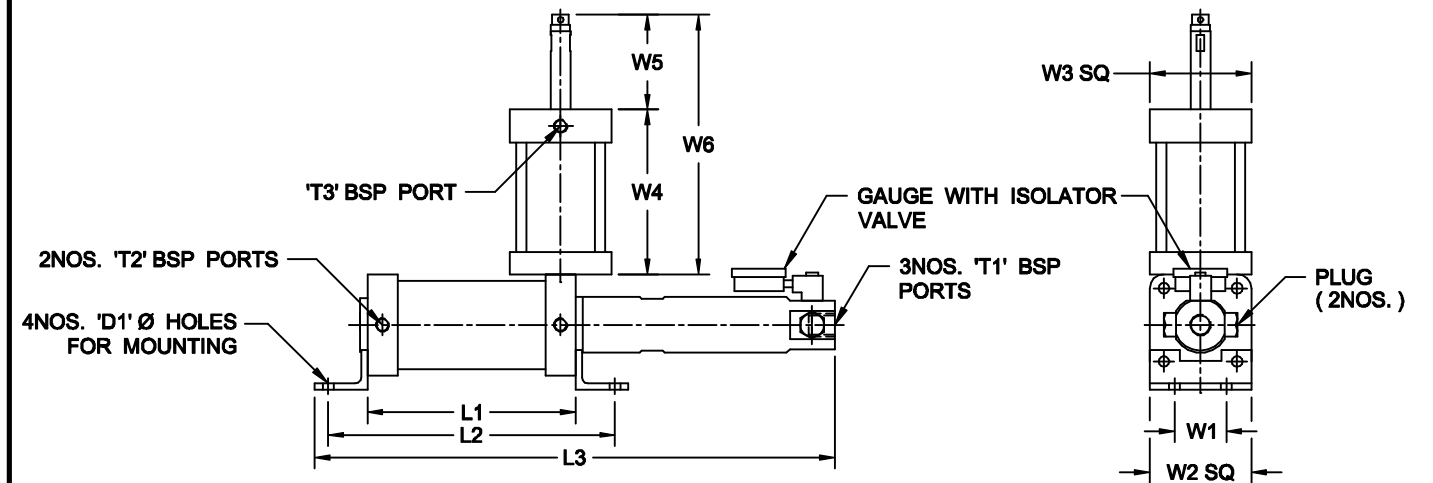


HYDRAULIC CYLINDER



Model No	Force (Kg f) @ 5 Bar		Oil Displacement cu cm		L1	L2	L3	L4	L5	D1	D2	D3	W1	W2	T1	T2	T3	T4	Q(NL) Free Air Consumed/Cycle
	Approach	Return	Per mm Travel	For Total Travel															
Z-50-50	100	75	2	98	188	4	22	35	22	32	45	-	88	57	M16 x 2	M24 x 2	G 1/4	G 1/2	0.5
Z-50-100	100	75	2	196	238	4	22	35	22	32	45	-	88	57	M16 x 2	M24 x 2	G 1/4	G 1/2	1.0
Z-50-150	100	75	2	294	288	4	22	35	22	32	45	-	88	57	M16 x 2	M24 x 2	G 1/4	G 1/2	1.4
Z-50-200	100	75	2	392	338	4	22	35	22	32	45	-	88	57	M16 x 2	M24 x 2	G 1/4	G 1/2	1.9
Z-80-50	230	200	5	251	211	4	24	35	25	45	60	-	125	86	M20 x 2.5	M36 x 2	G 1/4	G 3/4	1.2
Z-80-100	230	200	5	503	261	4	24	35	25	45	60	-	125	86	M20 x 2.5	M36 x 2	G 1/4	G 3/4	2.5
Z-80-150	230	200	5	754	311	4	24	35	25	45	60	-	125	86	M20 x 2.5	M36 x 2	G 1/4	G 3/4	3.7
Z-80-200	230	200	5	1005	361	4	24	35	25	45	60	-	125	86	M20 x 2.5	M36 x 2	G 1/4	G 3/4	5.0
Z-100-50	400	300	8	392	223	4	24	35	30	56	75	-	155	107	M24 x 3	M40 x 2	G 1/2	G 3/4	1.9
Z-100-100	400	300	8	785	273	4	24	35	30	56	75	-	155	107	M24 x 3	M40 x 2	G 1/2	G 3/4	3.9
Z-100-150	400	300	8	1178	323	4	24	35	30	56	75	-	155	107	M24 x 3	M40 x 2	G 1/2	G 3/4	5.8
Z-100-200	400	300	8	1571	373	4	24	35	30	56	75	-	155	107	M24 x 3	M40 x 2	G 1/2	G 3/4	7.8
Z-160-50	1000	850	20	1005	250	4	29	40	45	63	75	135	240	-	M30 x 3.5	M48 x 3	G 1/2	G 1	5.0
Z-160-100	1000	850	20	2010	300	4	29	40	45	63	75	135	240	-	M30 x 3.5	M48 x 3	G 1/2	G 1	10.0
Z-160-150	1000	850	20	3015	350	4	29	40	45	63	75	135	240	-	M30 x 3.5	M48 x 3	G 1/2	G 1	15.0
Z-160-200	1000	850	20	4020	400	4	29	40	45	63	75	135	240	-	M30 x 3.5	M48 x 3	G 1/2	G 1	20.1

INTENSIFIER - RESERVOIR UNIT



INTENSIFIER CYLINDER

Model No	Ratio	Out Put Oil Pressure @ 5 Bar Air Pressure	Max. Oil Displacement For Power Stroke	OUTPUT TONNAGE HYDRAULIC CYLINDER				L1	L2	L3	D1	W1	W2	T1	T2	Q(NL) Free Air Consumed/Cycle
				Ø 50	Ø 80	Ø 100	Ø 160									
I-80-14-200	32	160	27	3.1	8.0	-	-	315	401	588	12.0	63	98	G 1/2	G 1/2	10.0
I-80-14-400	32	160	57	3.1	8.0	-	-	515	601	988	12.0	63	98	G 1/2	G 1/2	20.1
I-80-20-200	16	80	55	1.5	4.0	-	-	315	401	588	12.0	63	98	G 1/2	G 1/2	10.0
I-80-20-400	16	80	117	1.5	4.0	-	-	515	601	988	12.0	63	98	G 1/2	G 1/2	20.1
I-100-20-200	25	125	55	2.5	6.2	9.8	-	327	413	601	14.0	75	118	G 1/2	G 1/2	15.7
I-100-20-400	25	125	117	2.5	6.2	9.8	-	527	613	1001	14.0	75	118	G 1/2	G 1/2	31.4
I-100-28-200	12.75	64	107	1.2	3.2	5.0	-	327	413	601	14.0	75	118	G 1/2	G 1/2	15.7
I-100-28-400	12.75	64	230	1.2	3.2	5.0	-	527	613	1001	14.0	75	118	G 1/2	G 1/2	31.4
I-160-32-200	25	125	140	-	6.2	9.8	25.0	360	490	651	18.0	115	185	G 3/4	G 3/4	40.2
I-160-32-400	25	125	300	-	6.2	9.8	25.0	560	690	1051	18.0	115	185	G 3/4	G 3/4	80.4
I-160-40-200	16	80	220	-	4.0	6.2	16.0	360	490	651	18.0	115	185	G 1	G 3/4	40.2
I-160-40-400	16	80	470	-	4.0	6.2	16.0	560	690	1051	18.0	115	185	G 1	G 3/4	80.4
I-200-32-200	39	195	140	-	9.8	15.3	39.0	380	520	673	22.0	135	227	G 3/4	G 3/4	62.8
I-200-32-400	39	195	300	-	9.8	15.3	39.0	580	720	1073	22.0	135	227	G 3/4	G 3/4	125.6
I-200-40-200	25	125	220	-	6.2	9.8	25.0	380	520	673	22.0	135	227	G 1	G 3/4	62.8
I-200-40-400	25	125	470	-	6.2	9.8	25.0	580	720	1073	22.0	135	227	G 1	G 3/4	125.6
I-200-56-200	12.5	63	430	-	3.1	5.0	12.7	380	520	673	22.0	135	227	G 1	G 3/4	62.8
I-200-56-400	12.5	63	923	-	3.1	5.0	12.7	580	720	1073	22.0	135	227	G 1	G 3/4	125.6

RESERVOIR CYLINDER

MODEL	VOLUMETRIC OIL DISPLACEMENT FOR APPROACH (cu. cm)	W3	W4	W5	W6	T3	Q(NL) Free Air Consumed/Cycle
R-80-400	400	98	179	115	294	G 1/4	1.9
R-80-800	800	98	254	190	444	G 1/4	3.8
R-100-1200	1200	118	254	190	444	G 1/2	5.9
R-160-3000	3000	175	261	190	451	G 1/2	15.0
R-200-4700	4700	218	261	190	451	G 3/4	23.5