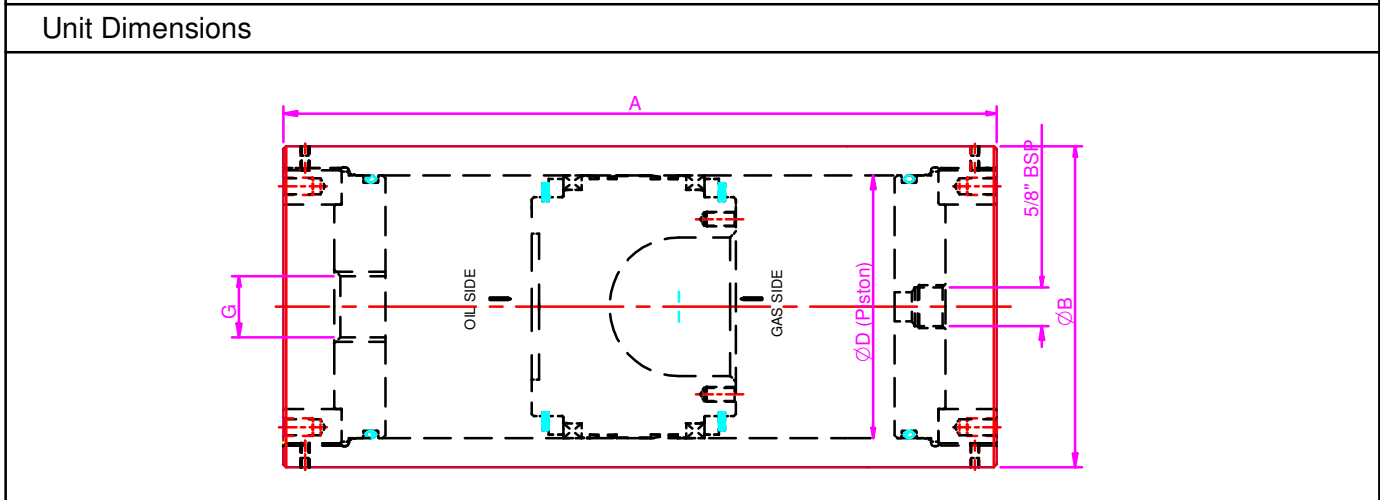


CMD HCD/11.11	<b>PISTON ACCUMULATOR</b>			LOGO
	Replaces : HCD/10.09	Size :100 to 300	up to 375bar	CM Hydro Systems Pvt Ltd

**Description**

Unlike gases, which are compressible and can be stored for a period of time, Hydraulic Fluids are usually incompressible. Accumulators provide a way to store these fluids under pressure. Hydraulic Fluid enters the accumulator chamber and acts on piston to compress gas. Any tendency for pressure drop at the accumulator inlet, forces fluid back out in to the system. Accumulator pressure varies in proportion to the compression of the gas, increasing as fluid is pumped in and decreasing as it is expelled. Available Oil can be vary between 1/4 and 3/4 of total capacity, depending on operating conditions.



Model Code	Piston ØD (mm)	Max. Working Pressure (Bar)	Oil Capacity (Ltrs)	A (mm)	ØB (mm)	Fluid Conn. G (BSP)	Weight (Kg)
CMPA-05-180-220	180	220	5	480	217	G 1 1/2"	83
CMPA-06-180-220	180	220	6	520	217	G 1 1/2"	87
CMPA-08-180-220	180	220	8	600	217	G 1 1/2"	94
CMPA-10-180-220	180	220	10	680	217	G 1 1/2"	101
CMPA-15-180-220	180	220	15	880	217	G 1 1/2"	119
CMPA-20-180-220	180	220	20	1080	217	G 1 1/2"	137
CMPA-25-180-220	180	220	25	1280	217	G 1 1/2"	155
CMPA-30-180-220	180	220	30	1480	217	G 1 1/2"	174
CMPA-35-180-220	180	220	35	1680	217	G 1 1/2"	192
CMPA-40-180-220	180	220	40	1880	217	G 1 1/2"	210
CMPA-45-180-220	180	220	45	2080	217	G 1 1/2"	228
CMPA-50-180-220	180	220	50	2280	217	G 1 1/2"	246
CMPA-60-180-220	180	220	60	2680	217	G 1 1/2"	282
CMPA-70-180-220	180	220	70	3080	217	G 1 1/2"	318
CMPA-80-180-220	180	220	80	3480	217	G 1 1/2"	355
CMPA-05-180-375	180	375	5	480	217	G 1 1/2"	83
CMPA-06-180-375	180	375	6	520	217	G 1 1/2"	87
CMPA-08-180-375	180	375	8	600	217	G 1 1/2"	94
CMPA-10-180-375	180	375	10	680	217	G 1 1/2"	101
CMPA-15-180-375	180	375	15	880	217	G 1 1/2"	119
CMPA-20-180-375	180	375	20	1080	217	G 1 1/2"	137
CMPA-25-180-375	180	375	25	1280	217	G 1 1/2"	155

\*Other Sizes on Request

CMD HCD/11.11		PISTON ACCUMULATOR				LOGO	
Replaces : HCD/10.09		Size :100 to 300	up to 375bar			CM Hydro Systems Pvt Ltd	
Model Code	Piston ØD (mm)	Max. Working Pressure (Bar)	Oil Capacity (Ltrs)	A (mm)	ØB (mm)	Fluid Conn. G (BSP)	Weight (Kg)
CMPA-30-180-375	180	375	30	1480	217	G 1 1/2"	174
CMPA-35-180-375	180	375	35	1680	217	G 1 1/2"	192
CMPA-40-180-375	180	375	40	1880	217	G 1 1/2"	210
CMPA-45-180-375	180	375	45	2080	217	G 1 1/2"	228
CMPA-50-180-375	180	375	50	2280	217	G 1 1/2"	246
CMPA-60-180-375	180	375	60	2680	217	G 1 1/2"	282
CMPA-70-180-375	180	375	70	3080	217	G 1 1/2"	318
CMPA-80-180-375	180	375	80	3480	217	G 1 1/2"	355
CMPA-10-250-220	250	220	10	574	310	G 1 1/2"	221
CMPA-20-250-220	250	220	20	778	310	G 1 1/2"	263
CMPA-30-250-220	250	220	30	982	310	G 1 1/2"	305
CMPA-40-250-220	250	220	40	1185	310	G 1 1/2"	347
CMPA-50-250-375	250	220	50	1390	310	G 1 1/2"	390
CMPA-60-250-375	250	220	60	1592	310	G 1 1/2"	432
CMPA-70-250-375	250	220	70	1796	310	G 1 1/2"	474
CMPA-80-250-375	250	220	80	2000	310	G 1 1/2"	516
CMPA-90-250-375	250	220	90	2204	310	G 1 1/2"	559
CMPA-100-250-375	250	220	100	2407	310	G 1 1/2"	601
CMPA-120-250-375	250	220	120	2815	310	G 2"	685
CMPA-140-250-375	250	220	140	3222	310	G 2"	769
CMPA-160-250-375	250	220	160	3630	310	G 2"	854
CMPA-180-250-375	250	220	180	4037	310	G 2"	938
CMPA-10-250-375	250	350	10	574	310	G 1 1/2"	221
CMPA-20-250-375	250	350	20	778	310	G 1 1/2"	263
CMPA-30-250-375	250	350	30	982	310	G 1 1/2"	305
CMPA-40-250-375	250	350	40	1185	310	G 1 1/2"	347
CMPA-50-250-375	250	350	50	1390	310	G 1 1/2"	390
CMPA-60-250-375	250	350	60	1592	310	G 1 1/2"	432
CMPA-70-250-375	250	350	70	1796	310	G 1 1/2"	474
CMPA-80-250-375	250	350	80	2000	310	G 1 1/2"	516
CMPA-90-250-375	250	350	90	2204	310	G 1 1/2"	559
CMPA-100-250-375	250	350	100	2407	310	G 1 1/2"	601
CMPA-120-250-375	250	350	120	2815	310	G 2"	685
CMPA-140-250-375	250	350	140	3222	310	G 2"	769
CMPA-160-250-375	250	350	160	3630	310	G 2"	854
CMPA-180-250-375	250	350	180	4037	310	G 2"	938
<b>Technical Features</b>							
Maximum Working Pressures		: Ø180 - 220 Bar, 375 Bar & Ø250 - 220 Bar, 350 Bar and Other sizes and pressures on request.					
Test Pressure		: 1.3 x Max. Working Pressure					
Temperature Range		: -10° to 100° C					
Piston Speed		: < 2 m/s					
Gas Fill Valve Connection		: 1/4"BSP-5/8 UNF Standard and Others on request.					
<b>Construction Features</b>							
The Main Features are							
* Shell in Carbon Steel St 52.4							
* Piston of SG Iron							
* Bore Honed & Hard Chrome Plated							
* Seals of Polyurethane, PTFE & Nitrile Rubber.							
*Other Sizes on Request							