

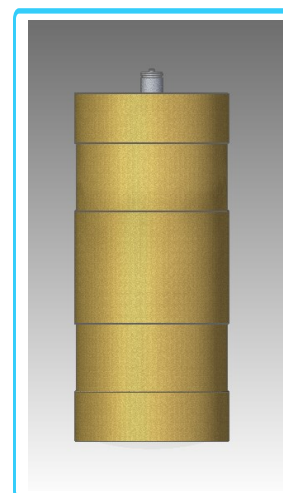
■ YUAC Series Piston Accumulator

These piston accumulator is used mainly in hydraulic systems for storage of fluid under pressure, absorbing hydraulic shocks, dampening pulsation, compensating volume and pressure.

This simple, compact design of the piston accumulator ensures dependable performance, maximum efficiency and long service life.

■ Features

- High degree of reliability.
- Low friction.
- Suitable for petroleum and mineral based oils.
- Body is made out of low carbon steel.
- Piston is made out of aluminum.
- High quality sealing by NBR seals.



Graphical symbol



■ Specifications

Model Numbers	Max.Working Pressure(WP) kgf/cm ²	Max.Test Pressure kgf/cm ²	Max.Operating Temp. °C	Bore Diameter (mm)
YUAC-*-70-PT-10	Up to 70	1.5 x WP	-30 ~ +120 *	100.00
YUAC-*-160-PT-10	Up to 160			100.00
YUAC-*-250-PT-10	Up to 250			180.00

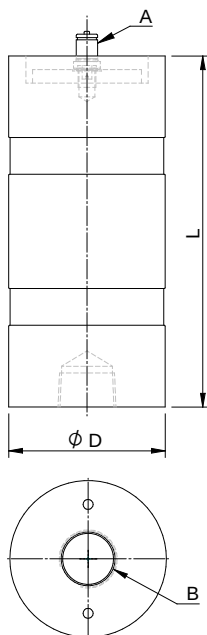
* - Up to 80°C standard NBR seals. For higher temperature consult YIL for Viton seals.

■ Model Number Designation

YUAC	-40	-160	-PT	-10
Series Number	Capacity Liters	Working Pressure kgf/cm	Type	Design Number
YUAC : Piston Accumulator	01 : 1	70 : 70	PT : Piston	10
	01 : 1	160 : 160 250 : 250		
	02 : 2			
	03 : 3			
	04 : 4			
	05 : 5			
	06 : 6			
	08 : 8			
	10 : 10			
	15 : 15			
	20 : 20			
	25 : 25			
	30 : 30			
	40 : 40			
	50 : 50			
	60 : 60			
	80 : 80			

■ YUAC-*-70-160-PT-10-250

Dimensions in
Millimeters



MODEL	A Port Size - Gas Charging side	B Port Size - Fluid side	D Outer Diameter	L Length
YUAC-01-70-PT-10	G 1/4"	G 1 1/4"	115	258
YUAC-01-*-PT-10	G 1/4"	Rc 1 1/4"	210	270
YUAC-02-*-PT-10				390
YUAC-03-*-PT-10				520
YUAC-04-*-PT-10				650
YUAC-05-*-PT-10				800
YUAC-06-*-PT-10	G 1/4"	Rc 2"	220	550
YUAC-08-*-PT-10				630
YUAC-10-*-PT-10				710
YUAC-15-*-PT-10				910
YUAC-20-*-PT-10				1120
YUAC-25-*-PT-10				1310
YUAC-30-*-PT-10				1510
YUAC-40-*-PT-10				1910
YUAC-50-*-PT-10				2290
YUAC-60-*-PT-10				2710
YUAC-80-*-PT-10				3510

■ Instructions

The system must be de-pressurized before installation or disassembling the piston accumulator and fluid gas side must be depressurized before disassembling the accumulator unit. If the piston is jammed due to contamination in the accumulator, only authorized technician should repair.

Only **Dry Industrial Nitrogen Gas** should be used to pre charge the accumulator, never use other gasses. Pre-charge the accumulator to the required pressure, in general piston accumulators are pre-charged to 5 bar lower than the minimum working pressure of the system. Pressure relief valve must be used very close to the accumulator and set at lower than the maximum working pressure. Use the suitable pre charging kit to fill the nitrogen gas in to the accumulator.

position : Piston accumulator can be installed in any positions but vertical position is preferred to get higher performance (gas port is on upper side & fluid port is at bottom side of accumulator).

■ Ordering Information

Example : Piston accumulator having a nominal volume of 50 liters and maximum working pressure of 160 kgf/cm² : **YUAC-50-160-PT-10**, Material Number : **88000000844**

Sl.No	Model code	Material Number	Sl.No	Model code	Material Number	Sl.No	Model code	Material Number
1	YUAC-01-70-PT-10	88000001028	12	YUAC-25-160-PT-10	88000000841	23	YUAC-06-250-PT-10	88000000852
2	YUAC-01-160-PT-10	88000000831	13	YUAC-30-160-PT-10	88000000842	24	YUAC-08-250-PT-10	88000000853
3	YUAC-02-160-PT-10	88000000832	14	YUAC-40-160-PT-10	88000000843	25	YUAC-10-250-PT-10	88000000854
4	YUAC-03-160-PT-10	88000000833	15	YUAC-50-160-PT-10	88000000844	26	YUAC-15-250-PT-10	88000000855
5	YUAC-04-160-PT-10	88000000834	16	YUAC-60-160-PT-10	88000000845	27	YUAC-20-250-PT-10	88000000856
6	YUAC-05-160-PT-10	88000000835	17	YUAC-80-160-PT-10	88000000846	28	YUAC-25-250-PT-10	88000000857
7	YUAC-06-160-PT-10	88000000836	18	YUAC-01-250-PT-10	88000000847	29	YUAC-30-250-PT-10	88000000858
8	YUAC-08-160-PT-10	88000000837	19	YUAC-02-250-PT-10	88000000848	30	YUAC-40-250-PT-10	88000000859
9	YUAC-10-160-PT-10	88000000838	20	YUAC-03-250-PT-10	88000000849	31	YUAC-50-250-PT-10	88000000860
10	YUAC-15-160-PT-10	88000000839	21	YUAC-04-250-PT-10	88000000850	32	YUAC-60-250-PT-10	88000000861
11	YUAC-20-160-PT-10	88000000840	22	YUAC-05-250-PT-10	88000000851	33	YUAC-80-250-PT-10	88000000862

For further information contact us

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YUAC Series Piston Accumulator