

HPC500, System C

- CXX/0 to 200 bar (3,000 psi)
- CHX/0 to 350 bar (5,000 psi)



This system consists of an HPC calibrator together with a hydraulic, high pressure hand pump T-620 or T-620H featuring an oil reservoir to prime the system.

System C is an easy-to-use single hand-operated calibration system. No need for a flat surface (table) to operate the system. The system includes release valve and volume adjuster for fine adjustment to enable a safe and simple operation of the pump.

The System C comes in a carrying case with cut-outs for fittings, hose, and the complete assembled calibration unit - no time adder to assemble the unit before use. Easy and fast connection between pump and calibrator makes it easy to use the pressure calibrator separately for other pressure test jobs.

AMETEK hydraulic hand pump for system C

This easy-to-use hand pump is specially designed for high pressure applications. The pump has a built-in reservoir, vent valve, and volume adjuster for fine adjustment. The pump has a dual pressure output - one for the test object and one for the HPC calibrator.

Pressure range, T-620.....	0 to 200 bar (3,000 psi)
Pressure range, T-620H.....	0 to 350 bar (5,000 psi)
Type.....	Hydraulic
Test medium.....	Oil
Operation.....	Scissor
Reservoir capacity.....	200 cl / 0.42 pint
Operation.....	Pistol-grip
“O”-rings	Buna-N
Wetted parts.....	Aluminum, brass, stainless steel, Lexan
Connection to test object.....	Hose 0.6 m/24 in with 1/4” BSP and NPT female terminations
Size.....	21.6x12.1x6.2 cm / 8.5x4.8x2.4 in
Weight	1.4 kg / 3.0 lb

Included with System C delivery

- HPC standard delivery (see page 6)
- Hand pump T-620 or T-620H with a 0.6 m / 24 in hose with 1/4” BSP and NPT female terminations
- 1 roll of Teflon tape
- Protective carrying case

Accessories

- Pressure hose for T-620/T-620H pumps
- 1 m hose with 1/4” BSP female termination
Max. pressure 350 bar (5,000 psi)
- 2 m hose with 1/4” BSP female termination
Max. pressure 350 bar (5,000 psi)
- Oil for T-620 & T-1 pump AAA OIL in 1-QUART CAN
- Oil for T-620 & T-1 pump AAA OIL in 1-GALLON CAN
- Connections for APM H/S pressure modules
- Fitting 1/8” NPT male to 1/4” NPT male for APM-H pressure module with system C
- Fitting 1/8” NPT male to 1/8” NPT male for APM-H pressure module with system C
- Fitting 1/8” NPT male to 1/4” NPT male for APM-H pressure module
- Fitting 1/4” NPT male to 1/4” NPT male for APM-S pressure module

HPC500, System D

- DOX/0 to 350 bar (5,000 psi) oil
- DWX/0 to 350 bar (5,000 psi) water



This system consists of an HPC calibrator with a hydraulic, high pressure screw pump. System D is an easy-to-use calibration system. Place the pump on a flat surface and turn the handle to generate pressure. The calibrator may be adjusted to give the best viewing angle. The system includes a manifold for connection of the test device, a fine adjustment volume adjuster (optional), and a reservoir for extra oil or water (optional).

The system comes in a carrying case with cut-outs for fittings and the complete assembled calibration unit - no time adder to assemble the unit before use. Easy and fast connection between pump and calibrator makes it easy to use the pressure calibrator separately for other pressure test jobs.

AMETEK spindle pump for system D

The spindle pumps are designed for easy generation of high pressure. The spindle pumps have a 4-connection manifold. Fine adjustment, extra fine volume adjuster, liquid reservoir, and fittings are optional. Spindle pumps may be delivered for 2 different test media: hydraulic oil or water.

Pressure range	0 to 350 bar (5,000 psi)
Type.....	Hydraulic
Test medium.....	Hydraulic oil, water
Operation.....	Spindle pump
Reservoir capacity.....	250 cl / 0.53 pint
“O”-rings	Buna-N
Wetted parts.....	Aluminum, brass, stainless steel
Connection to test object.....	4 x 1/4” BSP female
Size.....	36.6x19.5x10.5 cm / 14.4x7.7x4.1 in
Weight	3.7 kg / 8.2 lb

Included with System D delivery

- HPC standard delivery (see page 6)
- Spindle pump for hydraulic oil or for water
- 10 x 1/4” bonded seals
- Allen key 6 mm
- 2 x 1/4” NPT female adapters
- 1 roll of Teflon tape
- Protective carrying case

Accessories

- Extra fine adjuster, volume adjuster
- Reservoir set with seals, valve and bonded seal
- 1 m Pressure hose (Max. 350 bar / 5,000 psi)¹
- 2 m Pressure hose (Max. 350 bar / 5,000 psi)¹
- 1.5 m Pressure hose (Max. 700 bar/10,000psi)¹
- 5 m Pressure hose (Max. 700 bar / 10,000 psi)¹
- Extension tube 120 mm (Max. 350 bar/5,000 psi)¹
- Quick connector set, female 1/4” BSP to 1/4” BSP
- Connections for APM H/S pressure modules
- Fitting 1/4” BSP male x 1/4” BSP male for APM-S pressure module with system D
- Fitting 1/4” BSP male to 1/4” NPT female for APM-H pressure module with system D
- Fitting 1/8” NPT male to 1/4” NPT male for APM-H pressure module with system D
- Fitting 1/4” NPT male to 1/4” BSP female for APM-S pressure module with spindle pump alone
- Fitting 1/8” NPT male to 1/4” BSP female for APM-H pressure module with screw pump alone

¹ 1/4” BSP female to 1/4” BSP male