



Oil Handpumps

SERIES 114.427...

A portable, or permanently mounted handpump for pressurizing all Amtec oil activated clamping devices up to 700 bar (10,150 psi).

Standard Models	Maximum Operating Pressure	Reservoir Capacity	Weight
114.427.256-400	400 bar (5800 PSI)	1.8 L (0.47 gal)	7.8kg (17.2lbs)
114.427.406-400	400 bar (5800 PSI)	4.0 L (1.05 gal)	11kg (24.2lbs)
114.427.259-700	700 bar (10,150 PSI)	1.8 L (0.47 gal)	7.8kg (17.2lbs)
114.427.409-700	700 bar (10,150 PSI)	4.0 L (1.05 gal)	11kg (24.2lbs)

We custom engineer Amtec Series 114.427 oil handpumps to handle high pressure requirements for many types of oil activated clamping devices. Decades of field engineering have resulted in a safe, convenient and durable handpump to meet most specifications.

A 2-way control valve is provided to activate the clamping position and then dumping fluid back to the reservoir to provide operational simplicity. A visually coded/mechanically interlocked Amtec GX-Coupler, included with every pump, offers positive lock to our GX-Nipple. The quick-disconnect function for clamping devices ensures safe and convenient interaction between the pump and the clamping device under all operating conditions. Operating pressure can be pre-set to ensure specific clamping control. Once the preset pressure is reached, excess oil is dumped back into the reservoir through the internal relief valve, without any increase in pressure to the clamping device. Amtec presets the pressure control, which is located inside the reservoir to prevent unwarranted changes.

Amtec recommends standard ISO AW 32 or 46 hydraulic oil. Flexible hose extensions may be added, as required for long distance operation. The 114.427 compact size and light weight provide convenience and ease of movement for use in restricted areas. The pump is portable, or it can be permanently mounted either horizontally or vertically. Models available for various pressure and capacity requirements. We also offer 4-way directional valves for double-acting clamps, such as our Step Nuts (page 58).

Additional Features:

1. Steel pump body, handle, linkage, fittings and reservoir
2. Steel valve seats
3. Rubber covered pressure gauge
4. Many pumps have been in continuous service for over 20 years



See website for operating manuals.