

High-Pressure Water Pump For Industrial Applications

WUP-1



SPECIFICATION:

✓ Pump output	63 dm ³ /min.
✓ Working pressure	45 MPa
✓ Transiant pressure	55 MPa
✓ Electric motor power	55 kW
✓ Drive speed	1475 RPM
✓ Required feed water pressure	0,3 MPa
✓ Pump unit dimentions	2150x975x875
✓ Pump water filter dimensions	Ø450x1910
✓ Minimum diameter of tube to be cleaned	Ø 26
✓ system weight	1563 kg



Mechanical Plants „WIROMET” S. A.

43-190 Mikołów, ul. Wyzwolenia 27

Info line: +48 (32) 32 40 740 • Head Office: +48 (32) 32 40 700

• Fax: +48 (32) 32 40 730

e-mail: wiromet@wiromet.com.pl • www.wiromet.com.pl



DESCRIPTION:

THE WUP-1 high pressure pumping system is comprised of:

- T-63/45 pump unit and associated electronics,
- F-06/120 water filter,
- Trigger operated work tool (pistol) ZOR-12/45,
- Foot operated working valve ZON-12/45,
- Complete Nozzle set,
- Additional equipment (inc high pressure hoses, hydraulic pressure regulator valve, wash pipe and extensions).

APPLICATIONS:

The WUP-1 pumping systems main industrial application is the cleaning of processing and power plant installations. Items cleaned by this pump include boiler tubes, exhaust pipes and condensers. The system is also used to clean filtration equipment (both vacuum and rotary) as well as equipment used in electrolysis. The WUP-1 device may also be used to clean the exterior surfaces of vehicles, and various industrial equipment or installations.

The WUP-1 system is used in sugar production to clean evaporator tubes (the common nominal diameter which is 33mm). Before de-scaling, the evaporator tubes are prepared by boiling in an alkaline solution for between 12-24 hours in order to change the chemical composition of the sediment. As a result of this process the silicates and oxalates that form the scale sediment are changed into carbonates, which are easier to remove.

In the event that a very thick layer of scale impedes the regular nozzle insertion a special pointed nozzle is used.

After the initial cleaning process is performed using the blunt or sharp nozzle the finishing process is achieved using a multi-jet or rotary head.