

High Pressure Water



Jetting Units

High Pressure Water Jetting Units

Since the foundation in 1996, TOMOZ has specialised on the manufacture of high pressure water jetting units with wide range of applications especially in industry, construction, municipal sector and many others, in particular specific h. p. units at the option of customer for the best ratio between serviceability of the machine and its price.

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Operating pressure:	up to 2000 bar
Flow rate:	up to 3000 l/min
Motor power:	up to 550 kW
Versions:	stationary mobile
Drives:	electric motor diesel engine petrol engine hydraulic motor
Applications:	industry construction industry municipal sector



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The wide range of applications of TOMOZ high pressure water jetting units:

- **Municipal services:**
vehicles for cleaning out sewers, bin washers, incineration plants, road washers.
- **Chemical industry:**
washing of surge tanks, heat exchangers, piping
- **Food industry:**
washing of surfaces, container machines, moulds
- **Beverage industry:**
washing of containers, tanks, tubes
- **Cellulose and paper industry:**
washing of evaporators, tubes, film, machines, mixers
- **Military sector:**
washing of vehicles, tanks, surfaces
- **Naval constructions:**
washing of bottom, anchors, radiator bridges, heaters
- **Glass, ceramics, porcelain industry:**
washing of conveyor belts, machines, filters, descaling
- **Mining industry:**
washing of filters, machines, conveyor belts
- **Public transport:**
washing of vehicles, radiators, filters
- **Cement industry:**
washing of machinery, equipment
- **Marble and granite industry:**
washing of slabs, frames, machines
- **Airport services:**
washing of runways, surfaces, machines
- **Wood industry:**
barkpeeling, washing of materials
- **Civil constructions:**
washing of surfaces, facades, monuments, metal sheet, ducting testing

Special:

- **Liquid CO₂ pumping:**
cylinder filling, tank-to-tank transferring, carbon dioxide extinguishers filling
- **Hot water pumping:**
steam generation
- **Pressure testing:**
pressure testing of water, gas and oil pipelines, pressure devices, pipes and pipe fittings
- **Fire-fighting:**
for fire-fighting with flat, basement, vehicle and forest fires

Kvantum, S-Kvantum

Applications:

- Cleaning of sewers
- Cleaning of pipe lines
- Cleaning of tanks and pools
- Source of pressure water for multi-nozzle washing boxes
- Source of pressure water for multi-nozzle washing systems
- Manually or mechanically operated cleaning of large surfaces
- Source of pressure water for multiple appliances (water guns)
- Wet sandblasting
- Etc.



Speed



Applications:

- Cleaning of concrete
- Resurfacing of concrete
- Cleaning of facades
- Rehabilitation of facades
- Paint stripping
- Removing of insulating layers
- Wet sandblasting
- Etc.

Variations

Drives:

- Three-phase induction motor (15 kW)
- Four-stroke petrol engine KOHLER with OHV and electric starter
- Air-cooled diesel engine LOMBARDINI with electric starter

Frame variations:

- Mobile version (tube frame with travelling wheels)
- Stationary version (welded section steel frame) - possibility of suitable carriage or van installation
- Special frame according to specific request (outside dimensions, optional equipment, etc.)

SPECIFICATIONS

Type	Max. Pressure [bar]	Max. Flow Rate [l/min]
PETO SPEED - 400 / 20 - E	400	20,9
PETO SPEED - 400 / 20 - B	400	21,5
PETO SPEED - 400 / 20 - D	400	21,5
PETO KVANTUM - 160 / 50 - E	160	49,9
PETO KVANTUM - 160 / 50 - B	160	50,4
PETO KVANTUM - 160 / 50 - D	160	50,4
PETO S-KVANTUM - 120 / 70 - E	120	70,6
PETO S-KVANTUM - 120 / 70 - B	120	72,6
PETO S-KVANTUM - 120 / 70 - D	120	72,5

Applications:

- Cleaning of concrete
- Resurfacing of concrete
- Cleaning of facades
- Rehabilitation of facades
- Paint stripping
- Removing of insulating layers
- Wet sandblasting
- Cleaning of pipelines
- Etc.

**SPECIFICATIONS**

Max. Pressure [bar]	Max. Flow Rate [l/min]
280	15
	21
	26
300	43
	17
	21
350	35
	19
	25
400	35

Variations**Drives:**

- Three-phase induction motor
- Four-stroke petrol engine
- Diesel engine

Frame variations:

- Mobile version (tube frame with travelling wheels)
- Stationary version (welded section steel frame) - possibility of suitable carriage or van installation
- Special frame according specific request (outside dimensions, optional equipment, etc.)

Applications:

- Cleaning of concrete
- Resurfacing of concrete
- Cleaning of facades
- Rehabilitation of facades
- Paint stripping
- Removing of insulating layers
- Cleaning of pipelines
- Wet sandblasting
- Etc.



500 Bar Line

700 Bar Line

SPECIFICATIONS	
Max. Pressure [bar]	Max. Flow Rate [l/min]
500	12
	16
	27
	40
	50

SPECIFICATIONS	
Max. Pressure [bar]	Max. Flow Rate [l/min]
700	12
	18
	28
	36
	40

Variations

Drives:

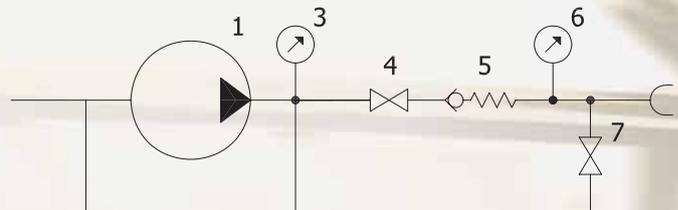
- Three-phase induction motor
- Four-stroke petrol engine
- Diesel engine

Frame variations:

- Mobile version (tube frame with travelling wheels)
- Stationary version (welded section steel frame) - possibility of suitable carriage or van installation
- Special frame according specific request (outside dimensions, optional equipment, etc.)

For pressure testing of:

- Water pipes
- Water distribution systems
- Pipes and pipelines
- Pressure devices
- Pipe fittings
- Gas pipelines
- Oil pipelines
- Pressure bottles and reservoirs
- Fire-fighting equipment



- 1 - plunger or diaphragm (KAPPA line) pump
- 2 - by-pass valve
- 3 - pump pressure gauge
- 4 - outlet ball-valve
- 5 - check valve
- 6 - checking pressure gauge
- 7 - discharge ball-valve

Variations

Drives:

- Induction motor (230 V or 400 V)
- Four-stroke petrol engine KOHLER with OHV
- Air-cooled diesel engine LOMBARDINI with electric starter

Frame variations:

- Tube frame with rubber leg tips or travelling wheels
- Welded section steel frame - possibility of suitable carriage or van installation
- Special frame according to specific request (outside dimensions, optional equipment, etc.)

Specifications

Pressure:	10 - 2000 bar
Flow rate:	1 - 250 l/min
Motor power:	0,55 - 55 kW

Examples of some possible versions (press. / flow rate):
 16/12, 30/10, 50/15, 80/10, 100/2, 100/5, 100/120, 200/5,
 200/100, 400/7, 450/5, 500/15, 1000/6, etc.

Applications:

- Cylinder filling
- Tank-to-tank transferring
- Carbon dioxide extinguishers filling
- Etc.



Specifications

Max. outlet pressure:	140 bar
Max. inlet pressure:	40 bar
Flow rate:	0,85 - 200 l/min
Min. liquid temperature:	- 40 °C
Motor power:	0,55 - 45 kW

Variations

Drives:

- Three-phase induction motor 400 V
- Single-phase induction motor 230 V

Frame variations:

- Tube frame with rubber leg tips or travelling wheels
- Welded section steel frame

Applications:

- Road cleaning
- Cleaning of sewers
- Cleaning of pipe lines
- Cleaning of tanks and pools
- Source of pressure water for multi-nozzle washing boxes
- Source of pressure water for multi-nozzle washing systems
- Manually or mechanically operated cleaning of large surfaces
- Source of pressure water for multiple appliances (water guns)
- Etc.



Units with UDOR Pumps

Units with SPECK Pumps

Specifications

Pressure:	up to 200 bar up to 50 bar with diaphragm pump
Flow rate:	up to 200 l/min up to 320 l/min bar with diaphragm pump
Motor power:	up to 37 kW

Specifications

Pressure:	up to 500 bar
Flow rate:	up to 400 l/min
Motor power:	up to 110 kW

Variations

Drives:

- Three-phase induction motor
- Four-stroke petrol engine
- Diesel engine
- Hydraulic motor

Especially for fire-fighting with:

- Multistorey building flat fires
- Bath unit fires
- Basement fires
- Vehicle fires
- Forest and shrubbery fires
- Etc.



Advantages:

- Low weight and the small dimensions allow an ordinary off-road vehicle or van installation
- Very high ratio between useful effect of the machine and its water requirements
- Easy handling even under heavy conditions (operations at a great height, in a small space, in a difficult terrain, etc.)
- Individual solution of the high pressure unit regarding the dimensional and performance requirements

Specifications

Pressure:	40 - 140 bar
Flow rate:	15 - 70 l/min
Motor power:	3 - 16 kW
Water tank capacity:	150 - 1000 l

TOMOZ offers a wide range of accessories suitable for all kinds of applications. Please ask for advice.

Besides the complete water jetting units is also possible to purchase several UDOR plunger and diaphragm pumps.

Accessories and Parts

○ Spray Guns

spray guns with swivel, weep spray guns, spray guns with lance hand grip, lance extensions for guns

○ Lances

insulated lances, lance extensions and tubes, double lances

○ Valves

unloader valves, safety valves, pressure regulating valves, pressure regulating valves - compressed air control, flow regulator valves, regulator valves

○ Nozzles

special nozzle holders, rotating nozzles, sand blasters and drain cleaning nozzles, pipe cleaning nozzles

○ Filters and Strainers

filters, chemical suction strainers, water suction strainers

○ Special nozzles - Tank cleaners - Floor Cleaners

special nozzles and tank cleaners, floor cleaners

○ Chemical Venturi Injectors and Foamers

○ Gear Reduction Boxes for Petrol Engines

○ Car Wash Accessories

○ Hose Reels

and many others



UDOR Pumps



Diaphragm Pumps:

42 standard models plus several special ones. The models with maximum pressure of 20 bar go from 16 l/min to 318 l/min. The models with maximum pressure of 40 and 50 bar go from 30 l/min to 240 l/min.

Plunger Pumps:

110 pump models with 3, 5 and 6 plungers and maximum pressure that ranges from 110 bar to 500 bar. Flow rates range from 9 l/min to 240 l/min.

Please ask for advice.





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