



CHARACTERISTICS

- SMALL SIZE
- IMMEDIATE RESPONSE
- SUCTION Ø6
- DELIVERY Ø4
- OPERATING PRESSURE 3 BAR
- FLOW RATE 6CC/STROKE
- TEMPERATURE OF USE FROM +5°C TO 45°C
- MAXIMUM NUMBER OF PUMPING OPERATIONS PER MINUTE: 5 STROKES/MIN

PISTON PUMP WITH CAM DRIVE

The 3420001 pump is an inverse drive piston pump. The suction phase takes place when the piston is driven, whereas the pressurisation phase is ensured by a spring located in the cylinder and by check valves located near the two suction and delivery fittings.

The pumping element is driven by a cam or by another device that is part of the machine on which the pump is installed. It is therefore important that the installation is carried out in such a way so that during operation, the drive stroke foreseen in the design is observed.

The 3420001-piston pump is particularly suited for those applications that require lubrication on points such as reducers, guides, chains, etc.

It can also be used in applications that require maintaining the lubricant at constant pressure.



EXAMPLES OF APPLICATION

Oil lubrication on agricultural machinery is applied primarily on chains and gears, where a constant and even supply of lubricant is required.

Lubrication system made up of a 2 or 3 litre reservoir with suction filter, distributor pump and dosing valves, the quantity of which depends on the number of points to lubricate. The system is completed by brushes or nozzles installed near the chains or gears.

The plunger pump is a spring pump that uses the motion of the shaft to create a depression inside the chamber in order to suck oil and push it toward the manifolds and the dosing valves when the piston is released. The stem is usually pushed by the machinery door that is opened each time a hay bale is completed and must be sent to the ground.

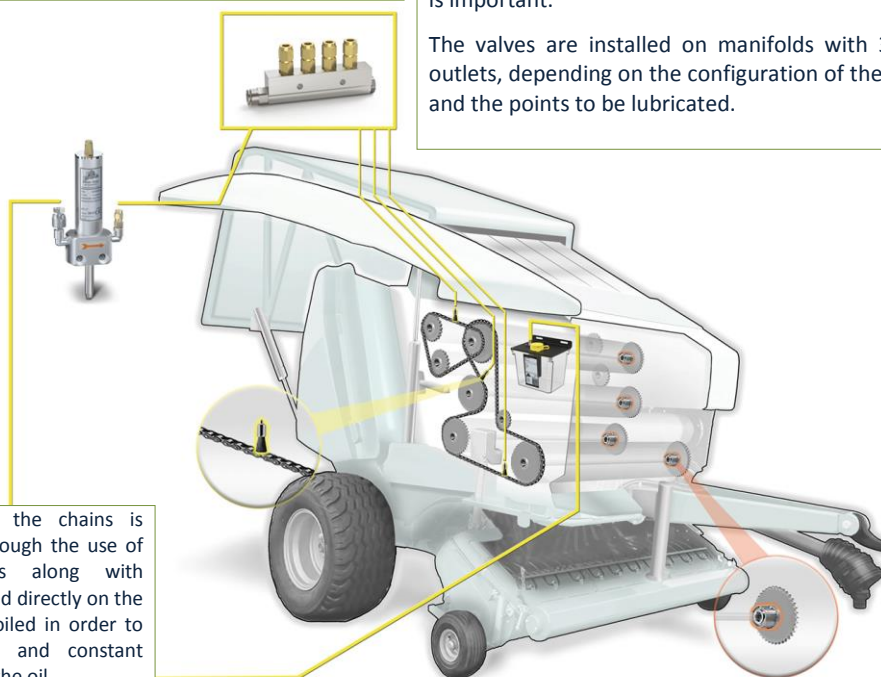
The system is completed by the manifolds associated with spiral dividers ideal for the lubrication of mechanical bodies and high-speed rotating mechanisms where maintaining a constant film of oil is important.

The valves are installed on manifolds with 3 to 11 outlets, depending on the configuration of the system and the points to be lubricated.

APPLICATION

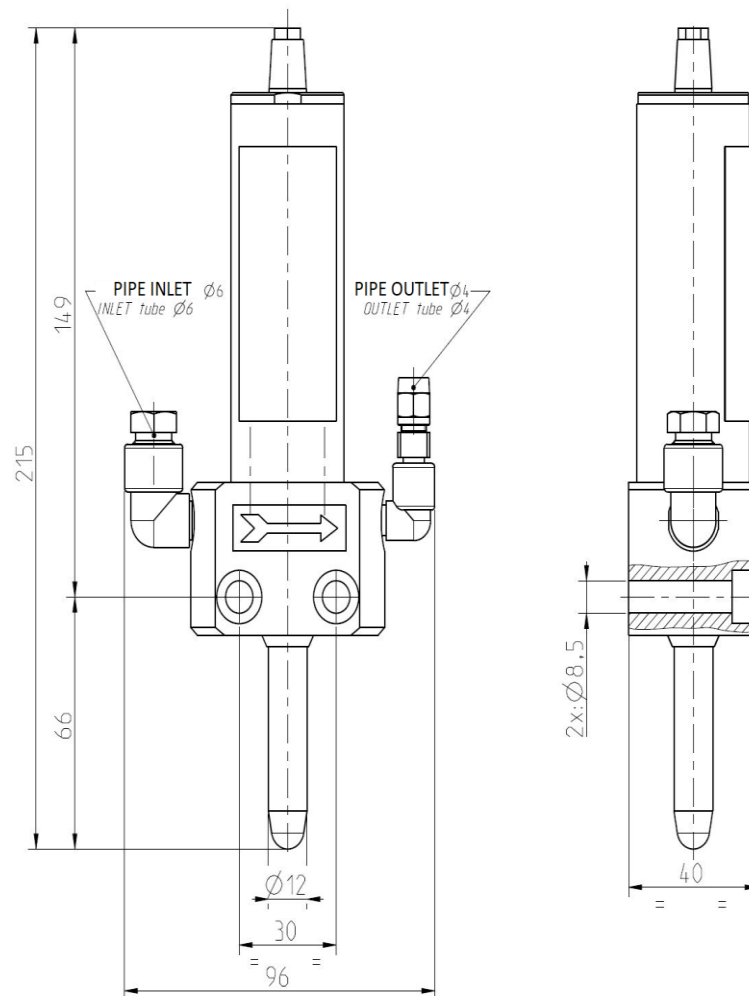
- AGRICULTURAL MACHINERY
- FIXED CHAMBER BALERS
- VARIABLE CHAMBER BALERS
- COMBINE HARVESTERS
- SYSTEMS FOR LUBRICATION OF CHAINS OR LOW PRESSURE REDUCERS AND VIA CAM DRIVE

Lubrication of the chains is guaranteed through the use of these dividers along with brushes installed directly on the surface to be oiled in order to allow uniform and constant distribution of the oil.





DIMENSIONS (DRAWING NOT TO SCALE)



GENERAL SPECIFICATIONS	
Empty weight	0.5 Kg
TECHNICAL SPECIFICATIONS	
Operating Type	Cam
Pumping system	Piston
Max. operating pressures	3 bar (44.1 psi)
Flow rate	6 cc/stroke
Travel	10 mm
Max x min No. pumping operations	5 strokes/min
Inlet connection	Pipe Ø6
Outlet connection	Pipe Ø4
Temperature of use	5 ÷ 40°C
Permitted lubricants	Mineral lubricating oil min. 32 cSt/ max 220 cSt
Max operating force	300 N
Storage temperature	-20 ÷ 65°C

ORDERING INFORMATION

DESCRIPTION	
Piston pump – 6 cc/stroke	3420001

Distributor Info: