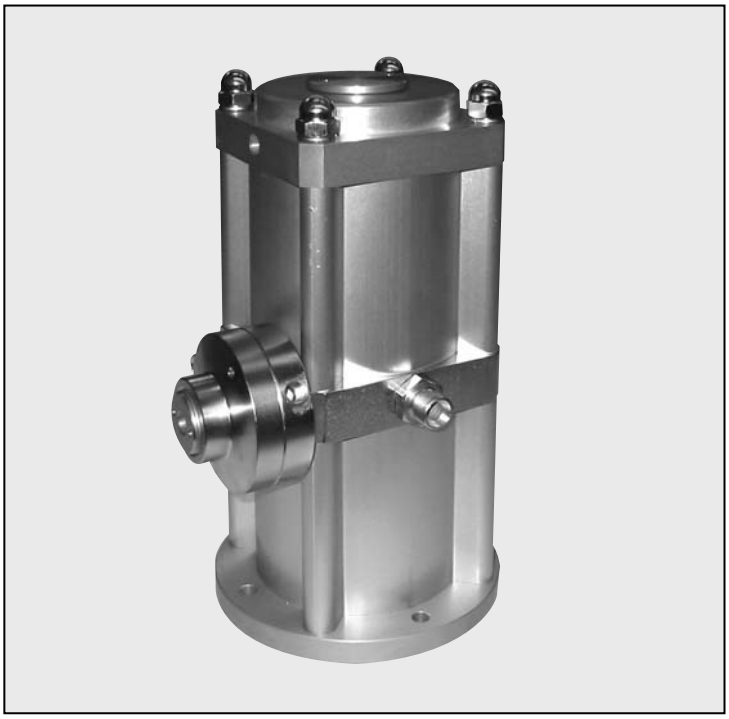
HYDRAULIC PUMP SERIES 06

The hydraulic pump is operated by compressed air and has a capacity of 500 Nl/min.
Three types of actuation are possible.
Manual: when the flywheel is turned clockwise, a valve delivers compressed air to the reciprocating pneumatic motor. When it is turned anticlockwise, the pump is no longer pressurized and the oil returns to the reservoir.
Pneumatic: the pump is operated by a remote pneumatic signal, allowing use in multiple systems.
No control: the pump is always pressurized.
In all three versions, when the pump reaches the pressure setting, it will deactivate. It restarts automatically only to compensate for strokes, pressure drops due to leaks, or system leaks.



APPLICATIONS

Hydraulic pumps can be used to supply high-pressure circuits, such as:
- single-acting cylinders
- multiple-circuit equipment (with the addition of a multiple valve)
- extractors, presses, and tools for bending, marking, drilling, blanking, upsetting and riveting.

TECHNICAL DATA

Bore mm	100				
Piston rod dimensions mm	14	16	18	20	22
Compression ratios	51:1	39:1	30:1	25:1	21:1
Oil flow rate cm^3/min	435	570	720	870	1070
Maximum air flow required Nl/min	500				
Maximum air supply pressure	2-8				
Maximum hydraulic pressure at outlet bar	40-408				
Working temperature range °C	-10° to +70				
Recommended oil	DEXRON ATF				
Fluid	Filtered lubricated and unlubricated air If lubricated air is used, lubrication must be continuous				

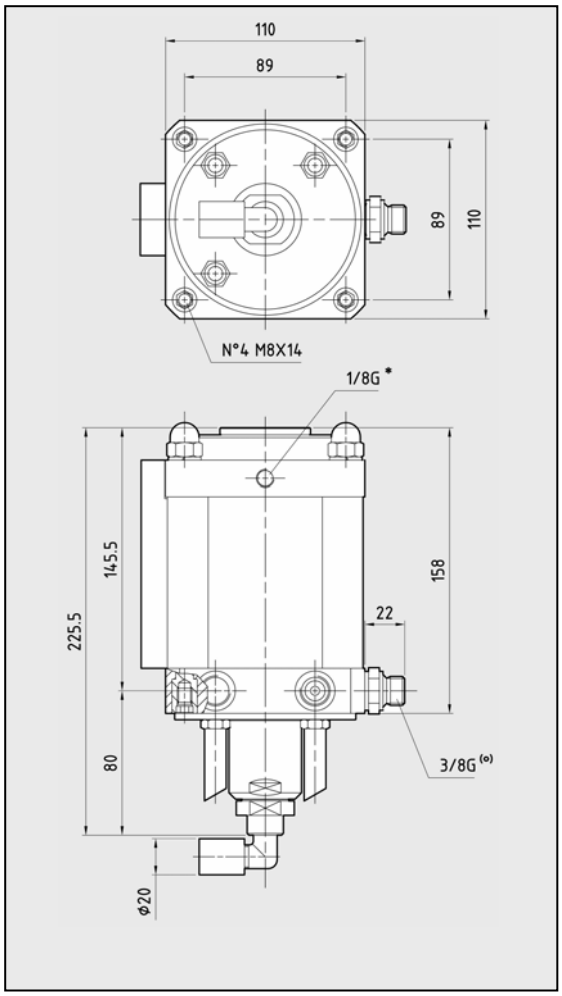
HYDRAULIC PUMP SERIES 06

KEY TO CODES

Z52	06	100	14	04	04	CM
	SERIES	BORE	PISTON ROD DIAMETE	STROKE (cm)	CONTROL	RESERVOIR
	06	100	16 18 20 22	04	CM Manual control CP Pneumatic control SC No control	SS Without reservoir CS With reservoir CV With tank

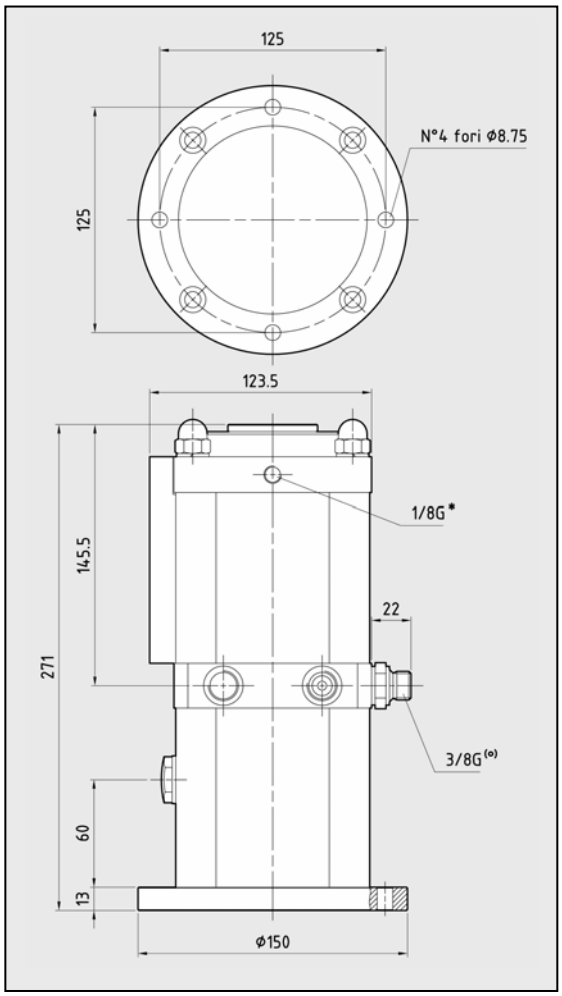
CHARACTERISTICS AND DIMENSIONS

Version SS
Without reservoir



(o) = Oil flow
* = Air supply

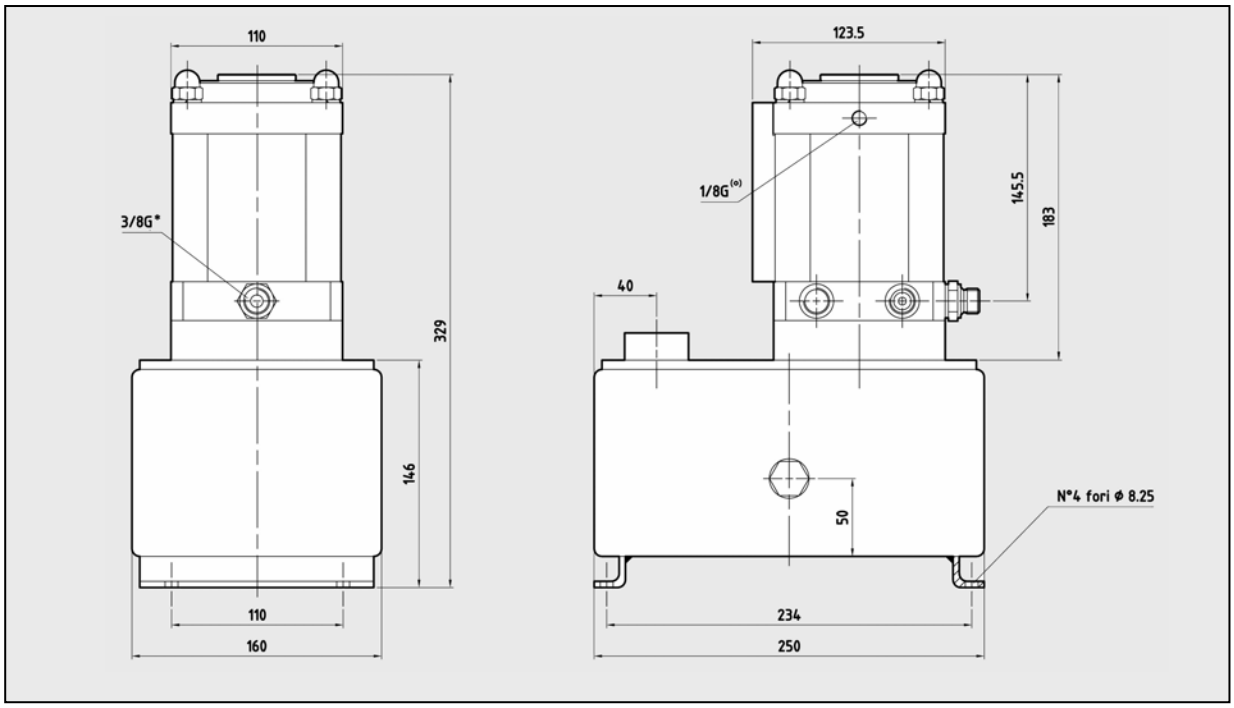
Version CS
With reservoir



(o) = Oil outlet
* = Air supply

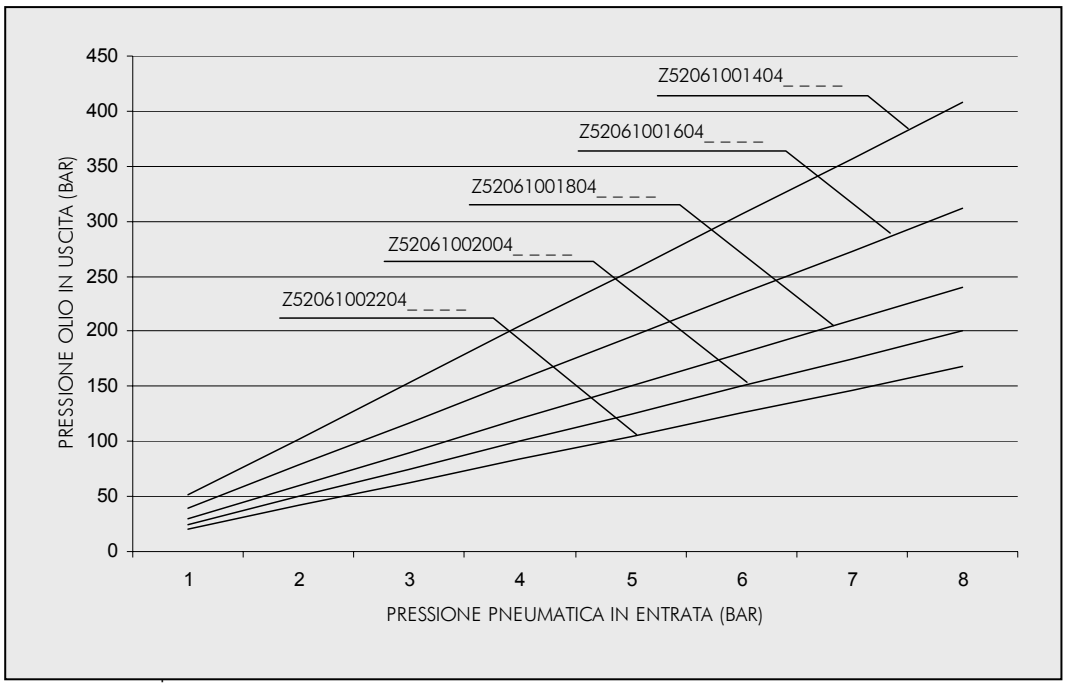
HYDRAULIC PUMP
SERIES 06

Version CV
With tank



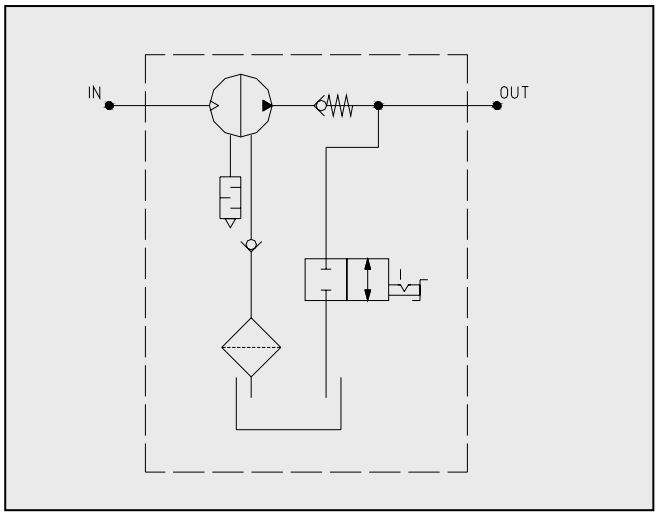
(o) = Air supply
* = Oil flow

AIR / OIL PRESSURE GRAPH

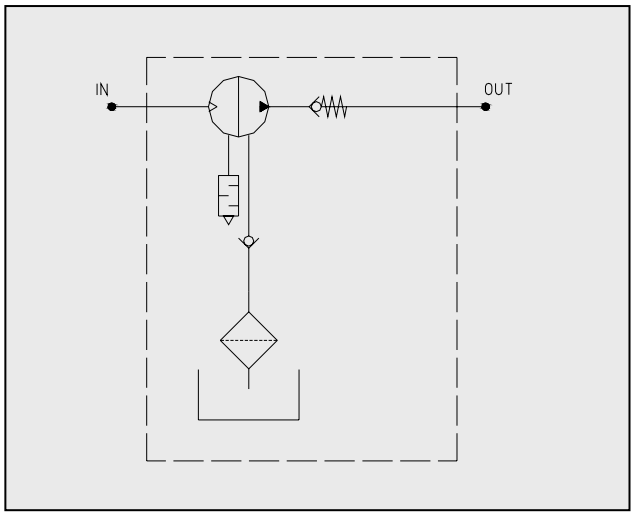


PNEUMATIC SYSTEM DIAGRAMS

PUMP
MANUAL CONTROL



PUMP
NO CONTROL



PUMP
PNEUMATIC CONTROL