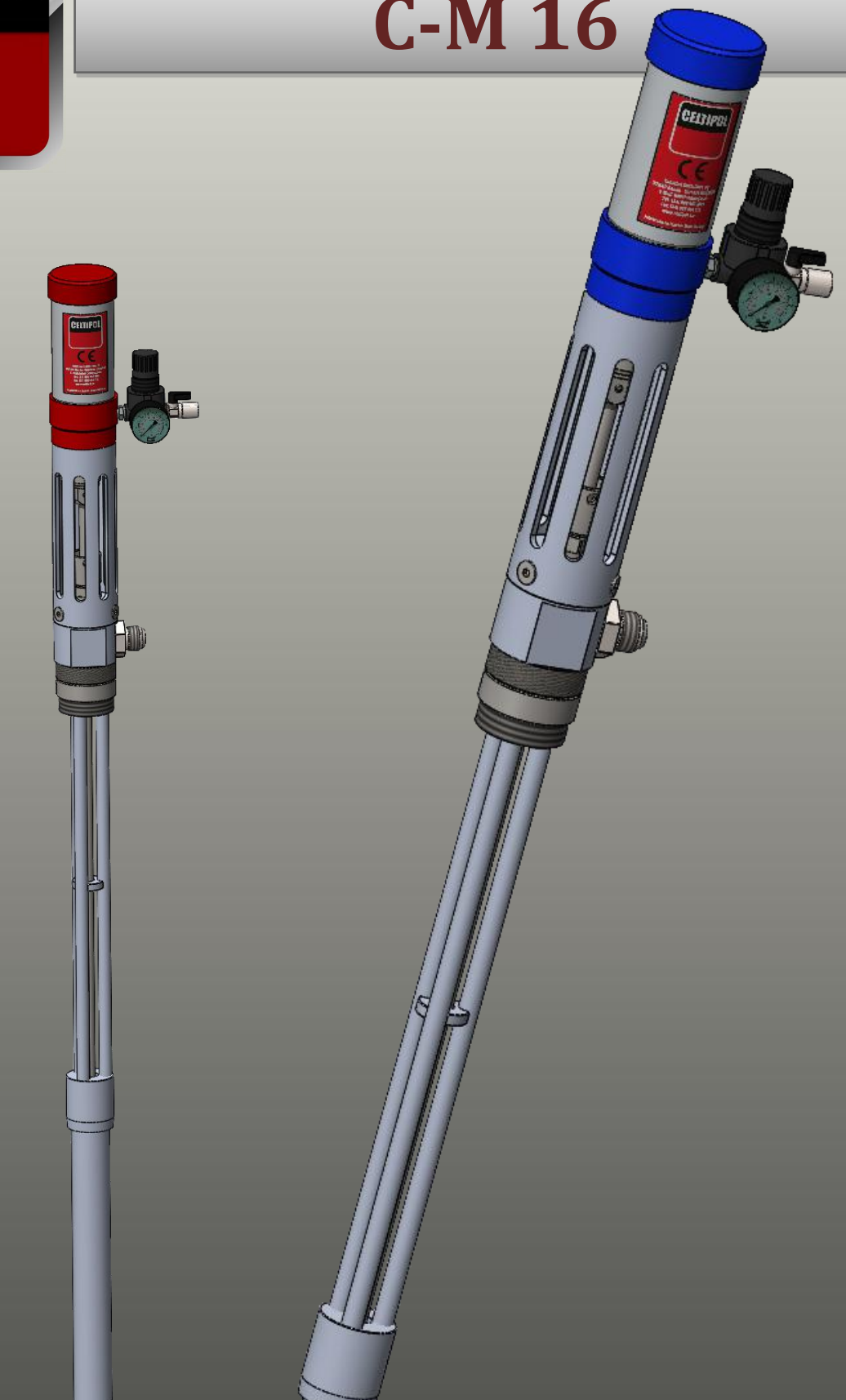


# CELTIPOL

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CELTIPOL

## TECHNICAL MANUAL C-M 16



TRANSFER PUMP FOR  
POLYURETANE AND POLYUREA

### Safety in the use of the equipment:

- It is advisable for personnel with a history of respiratory complaints to avoid exposure to all isocyanates.
- Chemical products must be handled safely in accordance with manufacturer's recommendations. The manufacturer should provide information on the toxicity of the products used as well as actions to take in the event of accident (wounds, irritation, etc.).
- Products such as polyisocyanates, organic solvents and diamines should be stored in a place exclusively for and adapted to such a purpose, with restricted access. Maximum temperatures must be strictly adhered to, both in the application and in storage of chemical products, at all times following the manufacturer's recommendations.
- Also, chemical products are to be stored at all times in suitable containers, following the manufacturer's recommendations.
- Containers must not be opened until immediately before being used in order to avoid contamination by damp. Any leftover product after being applied should be put back into the original container and be stored in a dry, ventilated place.
- During cleaning tasks of spilt components, it will be essential to use eye protection, gloves and wearing breathing apparatus. Spilt isocyanate can be collected with any absorbent inert product, such as sawdust. In any case, it is important to avoid skin contact. The absorbent product is to be immediately collected and dumped into an open container through the upper part.
- Throughout the entire operation explained above, the area must be correctly ventilated.

Safety personnel equipment:

Celtipol recommends the following personnel safety equipment :

- » Protective mask for airways.
- » Goggles to protect the eyes.
- » Headset to protect against noise.
- » Gloves to protect hands.
- » Protective clothing for the body.



REF.	DESCRIPCIÓN	QT.
2109	Joint M 3/4" – M 1 1/16" SAE	1
2918	Product outlet hose	1
2919	Air inlet hose	1
5001	Cylinder head cover	1
5002	Upper spring	1
5003	Liner	1
5005	O-ring Øint 65x3	2
5007	Lower spring	1
5008	Cylinder head base	1
5009	Rod guide	1
5010	Seal	1
5011	Piston rod	1
5013	Rod cane joint	1
5014	Main pump union	1
5015	O-ring Øint 60x1,75	1
5016	Screw M8	3
5017	Nut M10	1
5019	Pin	1
5024	Nylon closure ring	1
5025	Packing housing	1
5027	Felt housing	1
5029	Felt stop ring	1
5030	Pin	1
5031	Sphere holder	1
5032	Sphere Ø20	1
5035	Lower piston	1
5041	O-ring Øint 36x2,5	1
5042	Sphere holder	1
5043	Sphere Ø22	1
5044	Lower sphere holder	1
5045	Upper piston	1
5046	Lower piston plate	1
5047	Upper piston plate	1
5048	Stem	1
5049	Piston nut	1
5050	Piston stay bolt	3
5055	Screw M4	3
5056	Upper stem	1
5057	Top stop ring	1
5058	Lower stop ring	1
5064	Fluid separator	1
5065	O-ring Øint 40x2	1
5066	Internal cane	1
5067	Lower stem	1
5068	Suction rod	1
5080	Piston ring	1

Kit.5006 Gaskets and felts		
REF.	DESCRIPTION	QT.
5028	Felts	3
5826	Packing base	1
5827	Central packing	1
5069	Packing guide	1

Kit.5071 Lower piston		
REF.	DESCRIPTION	QT.
5034	Piston board	1
5036	Piston guide	1

Kit.5072 Internal gaskets		
REF.	DESCRIPTION	QT.
5059	Gasket ring kit	2
5060	Guide kit	1

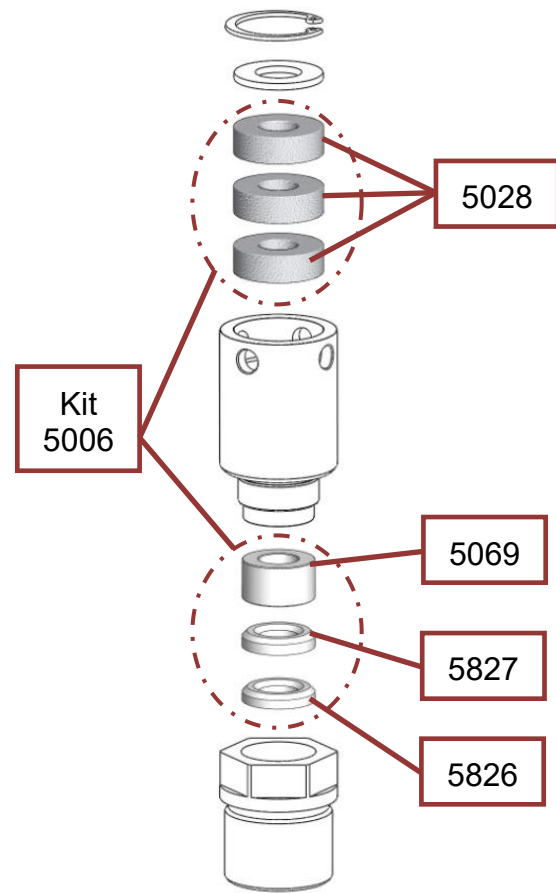
Kit.5075 Upper piston		
REF.	DESCRIPCIÓN	QT.
5051	Piston O-ring Øin 50x6	1
5052	Bottom plate gasket	3
5053	Upper plate gasket	1
5054	O-ring Øin. 16x2	1
5010	Seal	

Kit.5076 O-rings		
REF.	DESCRIPTION	QT.
5005	O-ring Øint 65x3	2
5015	O-ring Øint 60x1,75	1
5041	O-ring Øint 36x2,5	1
5065	O-ring Øint 40x2	1

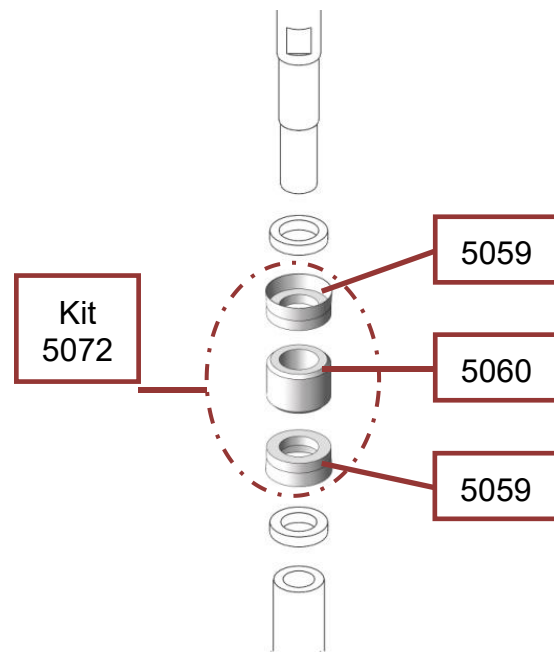
Kit.5074 Drum holder		
REF.	DESCRIPTION	QT.
5061	Waterpr. pump support	1
5062	O-ring Øin. 53x3	1
5063	Drum connection	1

Kit.5077 Pressure regulator		
REF.	DESCRIPTION	QT.
1104	Connector 1/4"NPT Male	1
7093	Pressure regulator 10bar	1
1201	Manometer Ø42	1
1202	Stopcock 1/4" 20bar	1

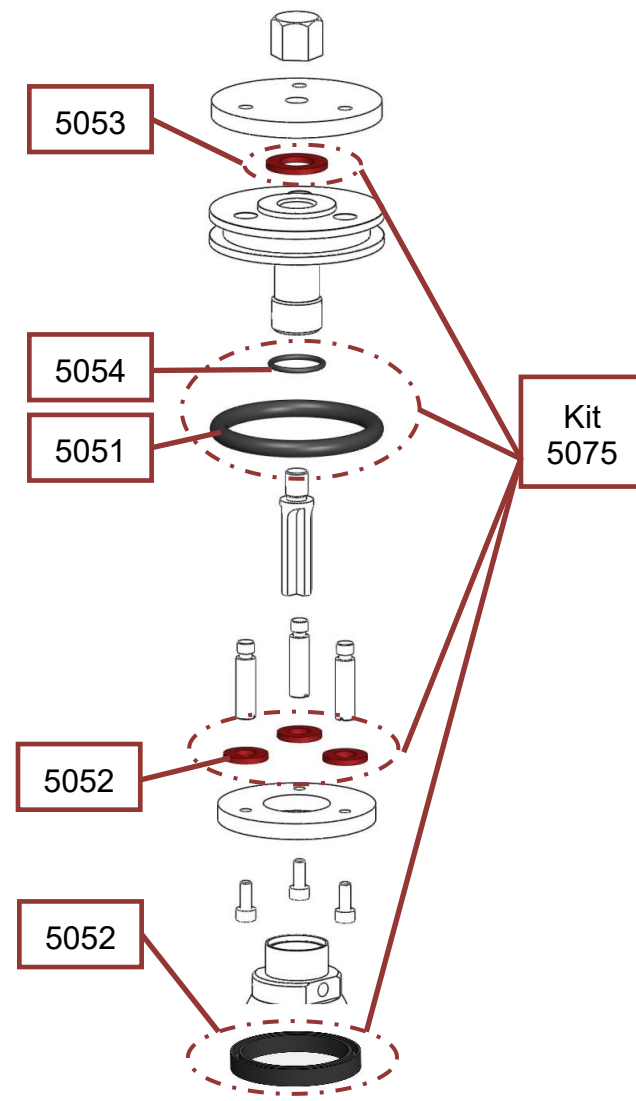
Kit 5006 mounting:



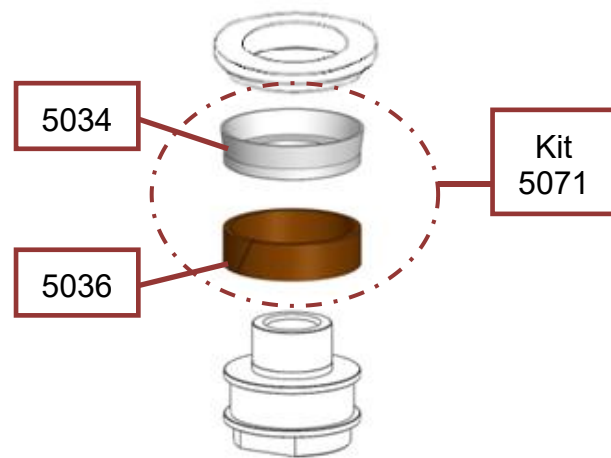
Kit 5072 mounting:



Kit 5075 mounting:



Kit 5071 mounting:



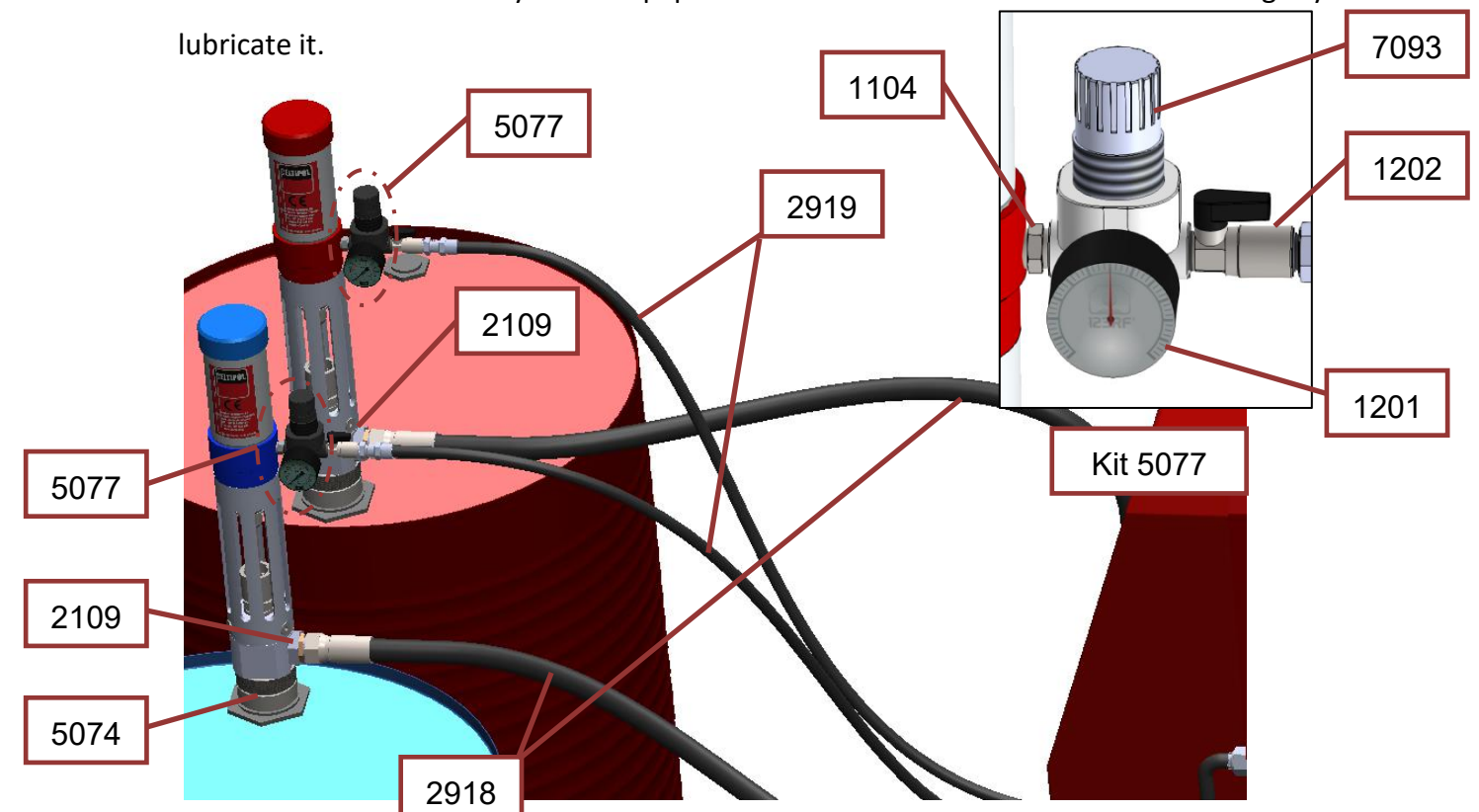
Technical characteristics of the equipment

- Air pressure:..... 7kg/cm<sup>2</sup>
- Air consumption:.....200l/min.
- Maximum product outlet pressure:.....20kg/cm<sup>2</sup>
- Pressure ratio:.....2,8 : 1
- Outflow:..... 30l/min.

Start up:

- Insert the pump through the mouth of the drum
- Screw the clamp to the drum (5074) and tighten the seal (It is recommended to apply grease to both threads and gasket).
- Open the breather cap of the drum.
- Connect the product outlet hose (2918) at both ends.
- Connect the air inlet hose (2919) to the pump, through the pressure regulator kit 5077.
- Connect the air hose (2919) to the air outlet \*. The pump will start working when the stopcock (1202) is opened.
- Turn the regulator (7093) until the pressure gauge (1201) reaches a maximum of 7 bar.

\* To increase the durability of the equipment it is recommended to treat the air using dryers and lubricate it.





# C-M 16 TRANSVASE PUMP

