



PRODUCT DIRECTORY



Major

Distributed by:

Major Sales and Service

(a division of Major Furnace Australia Pty Ltd; ABN: 25 116 352 759)

92 Fairbank Road, Clayton, Victoria, 3169

Phone: (03) 8558 1800 Fax: (03) 8558 1805

Email: major@majoreng.com.au

Web: www.majoreng.com.au



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T.L.S. TECNOLUBRISYSTEM

PUMP TP1 12-24V.

The pump "TP1" is born for the heavy employment in the earth moving machinery market, but it doesn't disdain the industrial machines.

Strong, affordable and compact, the pump work with grease up to NLGI class 2 grade, also with low temperature and elevated working pressures (250 Bar a controlled discharge will be effected by the pressure relief valve) thanks to the action of the push-pull supply piston unit.

High protection grade enclosure (IP 56) allow to position the pump in any point of the car.

Pump is available with up to 4 supply piston unit and with reservoirs from 2.5,3.5,4,6,10 kg. grease capacity and motors from 12 or 24 VDC.

The pump can work can be connected to a PLC system.

ARTICLE	ELEC.PUMP TP1 12V.
TP100112000	ELEC.PUMP. 12V. KG. 2,5
TP100112002	ELEC.PUMP. 12V. KG. 3,5
TP100112004	ELEC.PUMP. 12V. KG.4
TP100112006	ELEC.PUMP. 12V. KG.6
TP100112010	ELEC.PUMP. 12V. KG.10

ARTICLE	ELEC.PUMP TP1 24V.
TP100124000	ELEC.PUMP.24V. KG.2,5
TP100124002	ELEC.PUMP.24V. KG.3,5
TP100124004	ELEC.PUMP.24V. KG.4
TP100124006	ELEC.PUMP.24V. KG.6
TP100124010	ELEC.PUMP.24V. KG.10





T.L.S. TECNOLUBRISYSTEM

PUMP TP1 12-24V. T.-P.

The pump TP1 with electronic equipment integrated pause time is used where you need a dosage programmed and where there is impossible use a out timer .Strong, reliable and compact, use grease(EP 2) even at low temperatures with high pressure (300 bar governed) through the action of his piston-driven pump.

With protection IP 56 can be 'place where you want with greater safety.Is available up to 4 pumping, with tanks 2.5,3.5,4,6,10 kg. And with engines of 12 or 24V.

The timing and working 'in minutes from 2 to 32 and the timing of break e'in hours 30 min 8 hours.

Also holding down the button for 11 seconds, the pump dispenses grease always.The return a timing normal when you turn off the machine.

Pump TP1 and complete with safety valve and pump cord.

ARTICLE	ELEC.PUMP TP1 12V WITH TIMER
TP100112110	ELEC.PUMP. 12V. KG. 2,5
TP100112112	ELEC.PUMP. 12V. KG. 3,5
TP100112114	ELEC.PUMP. 12V. KG.4
TP100112116	ELEC.PUMP. 12V. KG.6
TP100112120	ELEC.PUMP. 12V. KG.10



ARTICLE	ELEC.PUMP TP1 24V WITH TIMER
TP100124110	ELEC.PUMP.24V. KG.2,5
TP100124112	ELEC.PUMP.24V. KG.3,5
TP100124114	ELEC.PUMP.24V. KG.4
TP100124116	ELEC.PUMP.24V. KG.6
TP100124120	ELEC.PUMP.24V. KG.10



PUMP TP1 12-24V.CONTROL IMPULSE

The pump TP1 with electronic equipment used in integrated control loop is where you need a dosage-controlled and where there is impossible use a out timer .Strong, reliable and compact, use grease (EP 2) even at low temperatures with high pressure (300 bar governed) through the action of his piston-driven pump.

With protection IP 56 can be 'place where you want with greater safety.It's available up to 4 pumping, with tanks 2.5,3,5,4,6,10 kg. And with engines of 12 or 24V.

Control loop, we use a sensor applied to the principal distributor that sends a signal

In reporting the successful lubrication unit, the control unit is not getting no signal after 5 minutes send an alarm. The timing pulses e'ad work ranging from 2 to 32 and the timing of break e'in hours 30 min 8 hours. Also holding down the button for 11 seconds, the pump dispenses grease continue.Return in original cycle timing normal when you turn off the machine.

Pump TP1 and complete with safety valve and pump cord.

ARTICLE	ELEC.PUMP TP1 12V WITH C.I.
TP110112110	ELEC.PUMP. 12V. KG. 2,5
TP110112112	ELEC.PUMP. 12V. KG. 3,5
TP110112114	ELEC.PUMP. 12V. KG.4
TP110112116	ELEC.PUMP. 12V. KG.6
TP110112120	ELEC.PUMP. 12V. KG.10

ARTICLE	ELEC.PUMP TP1 24V WITH C.I.
TP110124110	ELEC.PUMP.24V. KG.2,5
TP110124112	ELEC.PUMP.24V. KG.3,5
TP110124114	ELEC.PUMP.24V. KG.4
TP110124116	ELEC.PUMP.24V. KG.6
TP110124020	ELEC.PUMP.24V. KG.10





T.L.S. TECNOLUBRISYSTEM

PUMP TP1 12-24V MIN. LEV. GREASE

Pump TP1 created for use on heavy machinery in general but is also applied industrial machinery. Strong, reliable and compact, use grease (EP 2) even at low temperatures with high pressures (300 bar governed) by the action of his piston-driven pump.

With protection IP 56 can be 'place where you want with greater security.

Equipped with a capacitive sensor that indicates the reserve of fat.

It's available pumping up to 4, with tanks 2.5,3.5,4,6,10 kg. And with engines of 12 or 24V.

Can 'be driven by an external program or directly from a PLC that controls the various times of the pump, controlling the smooth application of lubrication.

Pump TP1 Standard and complete with safety valve and pump cord.

ARTICLE	ELEC. PUMP TP1 WITH MIN.LEV.
TP101112000	ELEC.PUMP. 12V. KG. 2,5
TP101112002	ELEC.PUMP. 12V. KG. 3,5
TP101112004	ELEC.PUMP. 12V. KG. 4
TP101112006	ELEC.PUMP. 12V. KG. 6
TP101112010	ELEC.PUMP. 12V. KG. 10



ARTICLE	ELEC.PUMP TP1 WITH MIN.LEV.
TP101124000	ELEC.PUMP 24V. KG.2,5
TP101124002	ELEC.PUMP 24V. KG.3,5
TP101124004	ELEC.PUMP 24V. KG.4
TP101124006	ELEC.PUMP 24V. KG.6
TP101124010	ELEC.PUMP 24V. KG.10



PUMP TP1 12-24V MIN. LEV. WITH TIMER

The pump TP1 with electronic equipment integrated pause time is used where you need a dosage programmed and where there is impossible a use a out timer.Strong, reliable and compact, use grease (EP 2) even at low temperatures with high pressure (300 bar governed) through the action of his piston-driven pump.

With protection IP 56 can be 'place where you want with greater safety.It's available up to 4 pumping, with tanks 2.5,3.5,4,6,10 kg. And with engines of 12 or 24V.

The timing and working 'in minutes from 2 to 32 and the timing of break e'in hours 30 min 8 hours.

Also holding down the button for 11 seconds, the pump dispenses grease continue. Return in original timing normal when you turn off the machine.

Pump TP1 and complete with safety valve and pump cord.

ARTICLE	EL. PUMP TP1 WITH TIMER MIN.LEV.
TP101112110	ELEC.PUMP. 12V. KG. 2,5
TP101112112	ELEC.PUMP. 12V. KG. 3,5
TP101112114	ELEC.PUMP. 12V. KG. 4
TP101112116	ELEC.PUMP. 12V. KG. 6
TP101112120	ELEC.PUMP. 12V. KG. 10



ARTICLE	EL.PUMP EL. TP1 WITH TIMER MIN.LEV.
TP101124110	ELEC.PUMP. 24V. KG. 2,5
TP101124112	ELEC.PUMP. 24V. KG. 3,5
TP101124114	ELEC.PUMP. 24V. KG. 4
TP101124116	ELEC.PUMP. 24V. KG. 6
TP101124120	ELEC.PUMP. 24V. KG. 10



PUMP TP1 12-24V MIN. LEV. CONTROL CYCLE

The pump TP1 with electronic equipment integrated pause time is used where you need a dosage programmed and where there is impossible a use a out timer.Strong, reliable and compact, use grease (EP 2) even at low temperatures with high pressure (300 bar governed) through the action of his piston-driven pump.

With protection IP 56 can be place where you want with greater safety.It's available up to 4 pumping, with tanks 2.5,3.5,4,6,10 kg. And with engines of 12 or 24V.

The timing and working in minutes from 2 to 32 and the timing of break e'in hours 30 min 8 hours.

Also holding down the button for 11 seconds, the pump dispenses grease continue. Return in original timing normal when you turn off the machine.

Pump TP1 and 'complete with safety valve and pump cord.

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ARTICLE	EL.PUMP TP1 CONT.CYC.AND MIN.LIV.
TP101212110	ELEC.PUMP 12V. KG. 2,5
TP101212112	ELEC.PUMP 12V. KG. 3,5
TP101212114	ELEC.PUMP 12V. KG. 4
TP101212116	ELEC.PUMP 12V. KG. 6
TP101212120	ELEC.PUMP 12V. KG. 10



ARTICLE	EL.PUMP TP1CONT.CYC.AND MIN.LEV.
TP101224110	ELEC.PUMP 24V. KG. 2,5
TP101224112	ELEC.PUMP 24V. KG. 3,5
TP101224114	ELEC.PUMP 24V. KG. 4
TP101224116	ELEC.PUMP 24V. KG. 6
TP101224120	ELEC.PUMP 24V. KG. 10



PUMP TP1 12-24V WITH DISTRIBUTOR

The pump TP1 with electronic equipment integrated pause time is used where you need a dosage programmed and where there is impossible of use a out timer.Strong, reliable and compact, use grease (EP 2) even at low temperatures with high pressures (300 bar governed) through the action of his piston-driven pump.
 With protection IP 56 can be 'place where you want with greater safety.It's available up to 4 pumping, with tanks 2.5,3.5,4,6,10 kg. And with engines of 12 or 24V.
 The distributor can 'from 6 to 20 lubrication points.
 Pump TP1 and complete with safety valve and pump cord

ARTICLE	ELEC.PUMP TP1 12V.
TP110312000..	ELEC.PUMP. 12V. KG. 2,5
TP110312002..	ELEC.PUMP. 12V. KG. 3,5
TP110312004..	ELEC.PUMP. 12V. KG.4
TP110312006..	ELEC.PUMP. 12V. KG.6
TP110312010..	ELEC.PUMP. 12V. KG.10

ARTICLE	ELEC.PUMP TP1 24V.
TP110324000..	ELEC.PUMP.24V. KG.2,5
TP110324002..	ELEC.PUMP.24V. KG.3,5
TP110324004..	ELEC.PUMP.24V. KG.4
TP110324006..	ELEC.PUMP.24V. KG.6
TP110324010..	ELEC.PUMP.24V. KG.10

ARTICLE	DISTRIB.FOR PUMP
TP1..... 3	FEEDER TL 3/6 WITH TUBE CONNECTOR
TP1..... 4	FEEDER TL 4/8 WITH TUBE CONNECTOR
TP1..... 5	FEEDER TL 5/10 WITH TUBE CONNECTOR
TP1..... 6	FEEDER TL 6/12 WITH TUBE CONNECTOR
TP1..... 7	FEEDER TL 7/14 WITH TUBE CONNECTOR
TP1..... 8	FEEDER TL 8/16 WITH TUBE CONNECTOR





T.L.S. TECNOLUBRISYSTEM

PUMP TP1 12-24V WITH DISTR. AND TIMER

The pump TP1 with electronic equipment integrated pause time is used where you need a dosage programmed and where there is impossible use a out timer.Strong, reliable and compact, use grease (EP 2) even at low temperatures with high pressure (300 bar governed) through the action of his piston-driven pump.

With protection IP 56 can be place where you want with greater safety.It's available up to 4 pumping, with tanks 2.5,3.5,4,6,10 kg. And with engines of 12 or 24V.

The timing and working 'in minutes from 2 to 32 and the timing of break e'in hours 30 min 8 hours.

Pump TP1 and complete with safety valve and pump cord.



ARTICLE	ELEC.PUMP TP1 12V WITH TIMER
TP100312110..	ELEC.PUMP. 12V. KG. 2,5
TP100312112..	ELEC.PUMP. 12V. KG. 3,5
TP100312114..	ELEC.PUMP. 12V. KG.4
TP100312116..	ELEC.PUMP. 12V. KG.6
TP100312120..	ELEC.PUMP. 12V. KG.10

ARTICLE	ELEC.PUMP TP1 24V WITH TIMER
TP100324110..	ELEC.PUMP.24V. KG.2,5
TP100324112..	ELEC.PUMP.24V. KG.3,5
TP100324114..	ELEC.PUMP.24V. KG.4
TP100324116..	ELEC.PUMP.24V. KG.6
TP100324120..	ELEC.PUMP.24V. KG.10

ARTICLE	DISTRIB.FOR PUMP
TP1..... 3	FEEDER TL 3/6 WITH TUBE CONNECTOR
TP1..... 4	FEEDER TL 4/8 WITH TUBE CONNECTOR
TP1..... 5	FEEDER TL 5/10 WITH TUBE CONNECTOR
TP1..... 6	FEEDER TL 6/12 WITH TUBE CONNECTOR
TP1..... 7	FEEDER TL 7/14 WITH TUBE CONNECTOR
TP1..... 8	FEEDER TL 8/16 WITH TUBE CONNECTOR





T.L.S. TECNOLUBRISYSTEM

PUMP TP1 12-24V WITH DISTR.AND CONTROL CYCLE

The pump TP1 with electronic equipment used in integrated control loop is where you need a dosage-controlled and where there is impossible use a out timer.Strong, reliable and compact, use grease (EP 2) even at low temperatures with high pressures(300 bar governed) through the action of his piston-driven pump. With protection IP 56 can be 'place where you want with greater sicurezza.E' available up to 4 pumping, with tanks 2.5,3.5,4,6,10 kg. And with engines of 12 or 24V.

Control loop, we use a sensor applied to the principal distributor that sends a signal In reporting the successful lubrication unit, the unit will not receive any signal after 5 minutes send an alarm. The timing pulses e'ad work ranging from 2 to 32 and the timing of break is hours 30 min 8 hours.The pump TP1 and complete pump with safety valve and cable assemblies.Distributor 6 to 16 points.

ARTICLE	ELEC.PUMP TP1 12V WITH C.C.
TP110112110	ELEC.PUMP. 12V. KG. 2,5
TP110112112	ELEC.PUMP. 12V.. KG. 3,5
TP110112114	ELEC.PUMP. 12V. KG.4
TP110112116	ELEC.PUMP. 12V. KG.6
TP110112120	ELEC.PUMP. 12V. KG.10

ARTICLE	ELEC.PUMP TP1 24V WITH C.C.
TP100324110..	ELEC.PUMP.24V. KG.2,5
TP100324112..	ELEC.PUMP.24V. KG.3,5
TP100324114..	ELEC.PUMP.24V. KG.4
TP100324116..	ELEC.PUMP.24V. KG.6
TP100324120..	ELEC.PUMP.24V. KG.10

ARTICLE	DISTRIB.FOR PUMP
TP1..... 3	FEEDER TL 3/6 WITH TUBE CONNECTOR
TP1.....4	FEEDER TL 4/8 WITH TUBE CONNECTOR
TP1.....5	FEEDER TL 5/10 WITH TUBE CONNECTOR
TP1.....6	FEEDER TL 6/12 WITH TUBE CONNECTOR
TP1.....7	FEEDER TL 7/14 WITH TUBE CONNECTOR
TP1.....8	FEEDER TL 8/16 WITH TUBE CONNECTOR





T.L.S. TECNOLUBRISYSTEM

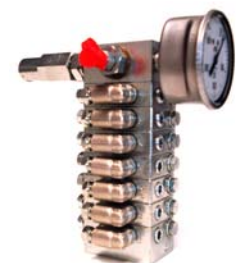
PUMP TP1 12-24V.WITH DISTR.AND MINIMUM LEVEL

The pump TP1 with electronic equipment integrated pause time is used where you need a dosage programmed and where there is impossible use out timer.Strong, reliable and compact, use grease (EP 2) even at low temperatures with high pressures (300 bar governed) through the action of his piston-driven pump. With protection IP 56 can be 'place where you want with greater safety.It's available up to 4 pumping, with tanks 2.5,3.5,4,6,10 kg. And with engines of 12 or 24V.
The distributor can 'from 6 to 16 lubrication points.Pump TP1 and 'complete with safety valve and pump cord.

ARTICLE	ELEC.PUMP TP1 WITH MIN.LIV.
TP101112000	ELEC.PUMP 12V. KG.2,5
TP101112002	ELEC.PUMP 12V. KG.3,5
TP101112004	ELEC.PUMP 12V. KG.4
TP101112006	ELEC.PUMP 12V KG.6
TP101112010	ELEC.PUMP 12V. KG.10

ARTICLE	ELEC.PUMP TP1 WITH MIN.LIV.
TP101124000	ELEC.PUMP 24V. KG.2,5
TP101124002	ELEC.PUMP 24V. KG.3,5
TP101124004	ELEC.PUMP 24V. KG.4
TP101124006	ELEC.PUMP 24V KG.6
TP101124010	ELEC.PUMP 24V. KG.10

ARTICLE	DISTRIB.FOR PUMP
TP1..... 3	FEEDER TL 3/6 WITH TUBE CONNECTOR
TP1..... 4	FEEDER TL 4/8 WITH TUBE CONNECTOR
TP1..... 5	FEEDER TL 5/10 WITH TUBE CONNECTOR
TP1..... 6	FEEDER TL 6/12 WITH TUBE CONNECTOR
TP1..... 7	FEEDER TL 7/14 WITH TUBE CONNECTOR
TP1..... 8	FEEDER TL 8/16 WITH TUBE CONNECTOR





PUMP TP1 12-24V WITH DISTR.C.C.AND M.L.

The pump TP1 with electronic equipment used in integrated control loop is where you need a dosage-controlled and where there is impossible of use a out timer. Robusta, reliable and compact, uses grease (EP 2) even at low temperatures with high pressures (300 bar governed) through the action of his piston-driven pump.

With protection IP 56 can be place where you want with greater safety. It's available up to 4 pumping, with tanks 2.5,3.5,4,6,10 kg. And with engines of 12 or 24V.

Control loop, we use a sensor applied to the principal distributor that sends a signal In reporting the successful lubrication unit, the unit will not receive any signal after 5 minutes send an alarm. The timing pulses is work ranging from 2 to 32 and the timing of break e'in hours 30 min 8 hours. The pump TP1 and complete pump with safety valve and cable assemblies. Distributor 6 to 16 points.

ARTICLE	ELECTR.PUMP TP1 12V.
TP101212110	ELEC.PUMP. 12V. KG. 2,5
TP101212112	ELEC.PUMP. 12V.. KG. 3,5
TP101212114	ELEC.PUMP. 12V. KG.4
TP101212116	ELEC.PUMP. 12V. KG.6
TP101212120	ELEC.PUMP. 12V. KG.10

ARTICLE	ELECTR.PUMP TP1 24V.
TP101224110	ELEC.PUMP. 24V. KG. 2,5
TP101224112	ELEC.PUMP. 24V.. KG. 3,5
TP101224114	ELEC.PUMP. 24V. KG.4
TP101224116	ELEC.PUMP. 24V. KG.6
TP101224120	ELEC.PUMP. 24V. KG.10

ARTICLE	DISTRIB.FOR PUMP
TP1.....3	FEEDER TL 3/6 WITH TUBE CONNECTOR
TP1.....4	FEEDER TL 4/8 WITH TUBE CONNECTOR
TP1.....5	FEEDER TL 5/10 WITH TUBE CONNECTOR
TP1.....6	FEEDER TL 6/12 WITH TUBE CONNECTOR
TP1.....7	FEEDER TL 7/14 WITH TUBE CONNECTOR
TP1.....8	FEEDER TL 8/16 WITH TUBE CONNECTOR





T.L.S. TECNOLUBRISYSTEM

PUMP LP1 12-24V.

The pump "LP1" small and compact is born for the employment on the operating machine where a normal pump it's impossible to fit.

Strong, affordable and compact, the pump work with grease up to NLGI class 2 grade, also with low temperature and elevated working pressures (250 Bar a controlled discharge will be effected by the pressure relief valve) thanks to the action of the push-pull supply piston unit.

High protection grade enclosure (IP 56) allow to position the pump in any point of the car.

Pump is available with up to 3 supply piston unit and with reservoirs of 1.6 kg. grease capacity and motors from 12 or 24 VDC.

The pump can work automatically by using an optional timer which is integrated in the body and can be programmed in relation of greasing time and pause time or connected to a PLC system.

ARTICLE	ELEC. PUMP LP1
LP100112002	ELEC. PUMP. 12V. KG.1,6
LP100124002	ELEC. PUMP. 24V. KG.1,6



ITEM	ELEC. PUMP LP1 WITH TIMER
LP101112004	ELEC.PUMP 12V. KG.1,6 WITH TIMER
LP101124004	ELEC.PUMP 24V. KG.1,6 WITH TIMER



T.L.S. TECNOLUBRISYSTEM

TP2 ELECTRIC PUMP

The pump "TP2" is born for the heavy employment in the hydraulic hammer machine where is required a very hard reservoir.

Strong,affordable is built with a stainless steel reservoir, very easy to refill the pump work with grease up to NLGI class 2 grade and a high temperature copper/alluminium paste, also with low temperature and elevated working pressures (250 Bar a controlled discharge will be effected by the pressure relief valve) thanks to the action of the push-pull supply piston unit.

High protection grade enclosure (IP 56) allow to position the pump in any point of the car.

Pump is available with up to 4 supply piston unit and with reservoirs of 10kg. grease capacity and motors from 12 or 24 VDC.

The pump can work automatically by using an optional timer which is integrated in the body and can be programmed in relation of greasing time and pause time or connected to a PLC system.

Optionally the pump can be supplied with capacity sensors for grease low level signal.



ITEM	ELECTRIC PUMP TP2
TP200112002	ELEC.PUMP 12V. RES.CAP. KG.10
TP200124002	ELEC.PUMP 24V. RES.CAP. KG.10

ITEM	ELECTRIC PUMP TP2 WITH LOW LEVEL GREASE SIGNAL (LLG)
TP201112002	ELEC.PUMP 12V RES.CAP. KG10 WITH LLG
TP201124002	ELEC.PUMP 24V RES.CAP. KG10 WITH LLG

ITEM	ELECTRIC PUMP TP2 WITH ET + 6 OUTLET PROGRESSIVE FEEDER
TP200112112	ELEC.PUMP 12V RES.KG10 + ET + 6 OUT
TP200124112	ELEC.PUMP 24V RES.KG10 + ET + 6 OUT

ITEM	ELEC. PUMP TP2 WITH ET & LLG+ 6 OUTLET PROGRESSIVE FEEDER
TP201112112	ELEC.PUMP12V RES.KG10+ET&LLG+6 OUT
TP201124112	ELEC.PUMP24V RES.KG10+ET&LLG+6 OUT



NB.FOR ANY MORE OUTPUT MAIN DISTRIBUTOR MUSTE BE CALCULATED



PUMP TP3

TP3 Electric pump is suitable for fixed plant and industrial machinery . The pump units is driven by three-phase motor for a voltage supply of 220/380 AC Volt.
 Strong,affordable and compact, the pump work with grease up to NLGI class 2 grade, also with low temperature and elevated working pressures (250 Bar a controlled discharge will be effected by the pressure relief valve) thanks to the action of the push-pull supply piston unit.
 High protection grade enclosure (IP 56) allow to position the pump in any point of the car.
 Pump is available with up to 4 supply piston unit and reservoirs up to 6kg. grease capacity .
 The pump can work automatically by using an optional external timer that can be programmed in relation of greasing time and pause time or connected to a PLC system.

ARTICLE	TP3 220V MONOPHASE.ELEC.PUMP
TP300220002	ELEC.PUMP 220V. CAP.RES. KG.3,5
TP300220004	ELEC.PUMP 220V. CAP.RES. KG.4
TP300220006	ELEC.PUMP 220V. CAP.RES. KG.6
TP300220010	ELEC.PUMP 220V. CAP.RES. KG.10

ARTICLE	TP3 220V MONO.ELEC.PUMP WITH LOW LEVEL GREASE SIGNAL (LLG)
TP301220002	ELEC.PUMP 220V. CAP.RES. KG.4 W LLG
TP301220004	ELEC.PUMP 220V. CAP.RES. KG.5 W LLG
TP301220006	ELEC.PUMP 220V. CAP.RES. KG.6 W LLG
TP301220010	ELEC.PUMP 220V. CAP.RES. KG.10 W LLG

ARTICLE	TP3 380/3 V ELECTRIC PUMP
TP300380002	ELEC.PUMP 380/3V. CAP.RES. KG.4
TP300380004	ELEC.PUMP 380/3V. CAP.RES. KG.5
TP300380006	ELEC.PUMP 380/3V. CAP.RES. KG.6
TP300380010	ELEC.PUMP 380/3V. CAP.RES. KG.10

ARTICLE	TP3 380/3 V ELECTRIC PUMP WITH LOW LEVEL GREASE SIGNAL (LLG)
TP301380002	ELEC.PUMP 380/3V.CAP.RES.KG.4 W LLG
TP301380004	ELEC.PUMP 380/3V.CAP.RES.KG.5 W LLG
TP301380006	ELEC.PUMP 380/3V.CAP.RES.KG.6 W LLG
TP301380010	ELEC.PUMP 380/3V.CAP.RES.KG.10 W LLG





SPECIAL PUMP

The idraulic pump is make where it's not possible the eletrric energy.The supply piston has 250 bar Of power.The capacity tank is 4 kg.,6 kg.



ARTICLE	DESCRIPTION
TP50004	IDRAULIC PUMP KG.4
TP50006	IDRAULIC PUMP KG.6

The pneumatic pump has 140bar of power and capacity tank of 1,6 kg.



ARTICLE	DESCRIPTION
TP50001	PNEUMATIC PUMP KG.1,6

PUMP ACCESSORIES-supply piston- supply piston valve



ARTICLE	DESCRIPTION
TP1100001	SUPPLY PISTON WITH MAX PR. VALVE cm ³ 0,22
TP1100030	SUPPLY PISTON WITH MAX PR. VALVE cm ³ 0,15
TP1100031	SUPPLY PISTON WITH MAX PR. VALVE cm ³ 0,10



ARTICLE	DESCRIPTION
TP1100002	SUPPLY PISTON cm ³ 0,22
TP1100032	SUPPLY PISTON cm ³ 0,15
TP1100033	SUPPLY PISTON cm ³ 0,10



ARTICLE	DESCRIPTION
TP1100003	VALVE PRESSURE MAX



ARTICLE	DESCRIPTION
TP1100004	VALVE PRES.MAX WITH GREASER



ARTICLE	DESCRIPTION
TP1100005	VALVE PRES.MAX WITH MANOM. BAR 400



PUMP ACCESSORIES



ARTICLE	DESCRIPTION
TP1100006	COVER PUMP TP
TP1100007	COVER PUMP TP PER MINIMUM LEVEL



ARTICLE	DESCRIPTION
TP1100012	PUMP RESERVOIR CAPACITY TP DA KG.2,5
TP1100008	PUMP RESERVOIR CAPACITY TP DA KG 3,5
TP1100009	PUMP RESERVOIR CAPACITY TP DA KG 4
TP1100010	PUMP RESERVOIR CAPACITY TP DA KG 6
TP1100013	PUMP RESERVOIR CAPACITY TP DA KG 10



ARTICLE	DESCRIPTION
TP1100016	MINIMUM LEVEL CAPACITY SENSOR KG.2,5
TP1100017	MINIMUM LEVEL CAPACITY SENSOR KG 3,5
TP1100018	MINIMUM LEVEL CAPACITY SENSOR KG 4
TP1100019	MINIMUM LEVEL CAPACITY SENSOR KG.6
TP1100020	MINIMUM LEVEL CAPACITY SENSOR KG.10



ARTICLE	DESCRIPTION
TL40014	250 BAR PRESSURE SWITCH

ELECTRONIC EQUIPMENT



ARTICLE	DESCRIPTION
LP1011	ELECTR.TIMER LP1 WORKING PAUSE TIME



ARTICLE	DESCRIPTION
TP1100011	ELECTR.TIMER TP PAUSE-WORK
TP1100012	ELECTR.TIMER TP PAUSE-WORK AND M.L..
TP1100013	ELECTR.TIMER TP CONTR.CICLE E M.LEV.



ARTICLE	DESCRIPTION
TP101000	ELECTR.TIMER TP1 WORKING PAUSE TIME



ARTICLE	DESCRIPTION
TP300200	CONTROL PANEL LED MAN.PUSH
TP300201	CONTR PANEL LEDLAV.LIV.GRAS.PUSH.MAN.



ARTICLE	DESCRIPTION
TP300100	ELEC.TIMER WORKING/PAUSE
TP300101	ELEC.TIMER N° CYCLE CONTROL



PUMP ACCESSORIES



ARTICLE	DESCRIPTION
TP1100020	200 MICRON REFILLING FILTER



ARTICOLO	DESCRIPTION
TP1100022	TIE TANK PUMP KG.2,5
TP1100023	TIE TANK PUMP KG.3.5
TP1100024	TIE TANK PUMP KG 4
TP1100026	TIE TANK PUMP KG 6
TP1100028	TIE TANK PUMP KG 10



ARTICLE	DESCRIPTION
TP10020001	TP PUMP PLUG WITH GASKET



ARTICLE	DESCRIPTION
TP1100025	CABLE CONNECTOR PUMP TP1 7 WIRES



ARTICLE	DESCRIPTION
TP1100034	CABLE CONNECTOR PUMP LP/TP 2 WIRES
TP1100035	CABLE CONNECTOR PUMP LP/TP 4 WIRES

TL PROGRESSIVE FEEDER



ITEM	DESCRIPTION
TL101003	FEEDER TL 3/6 WITH TUBE CONNECTOR
TL101004	FEEDER TL 4/8 WITH TUBE CONNECTOR
TL101005	FEEDER TL 5/10 WITH TUBE CONNECTOR
TL101006	FEEDER TL 6/12 WITH TUBE CONNECTOR
TL101007	FEEDER TL 7/14 WITH TUBE CONNECTOR
TL101008	FEEDER TL 8/16 WITH TUBE CONNECTOR
TL101009	FEEDER TL 9/18 WITH TUBE CONNECTOR
TL101010	FEEDER. TL 10/20 WITH TUBE CONNECTOR
TL101011	FEEDER TL 11/22 WITH TUBE CONNECTOR.
TL101012	FEEDER TL 12/24 WITH TUBE CONNECTOR.

TL PROGRESSIVE FEEDER WITH GREASER



ITEM	DESCRIPTION
TL101013	FEEDER TL 3/6 WITH TUBE CONNECTOR *
TL101014	FEEDER TL 4/8 WITH TUBE CONNECTOR *
TL101015	FEEDER TL 5/10 WITH TUBE CONNECTOR *
TL101016	FEEDER TL 6/12 WITH TUBE CONNECTOR *
TL101017	FEEDER TL 7/14 WITH TUBE CONNECTOR *
TL101018	FEEDER TL 8/16 WITH TUBE CONNECTOR *
TL101019	FEEDER TL 9/18 WITH TUBE CONNECTOR *
TL101020	FEEDER TL 10/20 WITH TUBE CONNECTOR *
TL101021	FEEDER TL 11/22 WITH TUBE CONNECTOR *
TL101022	FEEDER TL 12/24 WITH TUBE CONNECTOR *

*IF FEEDER MUST TO BE SUPPLIED WITH QUICK CONNECTOR ADD 0 TO THE END OF ITEM CODE

NB.INVOICE OF ASSEMBLED FEEDER MUST TO BE MATCH WITH TECHNICAL DATA SHEET



TL PROGRESSIVE FEEDER CONTROL CYCLE WITH PROX

ARTICLE	DESCRIPTION
TL101013	FEEDER TL 3/6 WITH TUBE CONNECTOR
TL101014	FEEDER TL 4/8 WITH TUBE CONNECTOR
TL101015	FEEDER TL 5/10 WITH TUBE CONNECTOR
TL101016	FEEDER TL 6/12 WITH TUBE CONNECTOR
TL101017	FEEDER TL 7/14 WITH TUBE CONNECTOR
TL101018	FEEDER TL 8/16 WITH TUBE CONNECTOR
TL101019	FEEDER TL 9/18 WITH TUBE CONNECTOR
TL101020	FEEDER. TL 10/20 WITH TUBE CONNECTOR
TL101021	FEEDER TL 11/22 WITH TUBE CONNECTOR.
TL101022	FEEDER TL 12/24 WITH TUBE CONNECTOR.



ELEMENT TL



ARTICLE	DESCRIPTION
TL11021	TOP ELEMENT FOR PUMP



ARTICLE	DESCRIPTION
TL11022	TOP ELEMENT WITH HIGH PRESSURE GREASER



ARTICLE	DESCRIPTION
TL11023	TOP ELEMENT



ARTICLE	DESCRIPTION
TL11024	MIDDLE ELEMENT CAPACITY CC040*
TL11025	MIDDLE ELEMENT CAPACITY CC075*
TL11026	MIDDLE ELEMENT CAPACITY CC110*
TL11027	MIDDLE ELEMENT CAPACITY CC165*



ARTICLE	DESCRIPTION
TL11028	BOTTOM ELEMENT CAPACITY CC040*
TL11029	BOTTOM ELEMENT CAPACITY CC075*
TL11030	BOTTOM ELEMENT CAPACITY CC110*
TL11031	BOTTOM ELEMENT CAPACITY CC165*



ARTICLE	DESCRIPTION
TL11129	BOTTOM ELEMENT CC075* W. CYCLE COUNTER
TL11130	BOTTOM ELEMENT CC110* W. CYCLE COUNTER
TL11131	BOTTOM ELEMENT CC165* W. CYCLE COUNTER

*IF FEEDER MUST TO BE SUPPLIED WITH QUICK CONNECTOR ADD 0 TO THE END OF ITEM CODE



TL FEEDER ACCESSORIES



ARTICLE	DESCRIPTION
TL1011	PRESSURE INDICATOR 150 BAR



ARTICLE	DESCRIPTION
TL1012	CROSSPORTING BARS M10X1



ARTICLE	DESCRIPTION
TL1013	FEEDER PLUG M10X1



ARTICLE	DESCRIPTION
TL1014	UNIDIRECTIONAL VALVE M10X1



ARTICLE	DESCRIPTION
TL1015	FEEDER FIXING SCREW TLS 5X40
TL1016	FEEDER FIXING SCREW TLS 5X45
TL1016	FEEDER FIXING SCREW TLS 5X50



FEEDER TIE



ARTICLE	DESCRIPTION
	TL FEEDER TIE
TL1017	FEEDER TIE ROD 3/6 MM 45X6
TL1018	FEEDER TIE ROD 4/8 MM 60X6
TL1019	FEEDER TIE ROD 5/10 MM 75X6
TL1020	FEEDER TIE ROD 6/12 MM 90X6
TL1021	FEEDER TIE ROD 7/14 MM 105X6
TL1022	FEEDER TIE ROD 8/16 MM 120X6
TL1023	FEEDER TIE ROD 9/18 MM 135X6
TL1024	FEEDER TIE ROD 10/20 MM 150X6
TL1025	FEEDER TIE ROD 11/22 MM 165X6
TL1026	FEEDER TIE ROD 12/24 MM 180X6



ARTICLE	DESCRIPTION
	TL FEEDER TIE WITH GREASER
TL1117	FEEDER TIE ROD 3/6 MM 55X6
TL1118	FEEDER TIE ROD 4/8 MM 70X6
TL1119	FEEDER TIE ROD 5/10 MM 85X6
TL1120	FEEDER TIE ROD 6/12 MM 100X6
TL1121	FEEDER TIE ROD 7/14 MM 115X6
TL1122	FEEDER TIE ROD 8/16 MM 130X6
TL1123	FEEDER TIE ROD 9/18 MM 145X6
TL1124	FEEDER TIE ROD 10/20 MM 160X6
TL1125	FEEDER TIE ROD 11/22 MM 175X6
TL1126	FEEDER TIE ROD 12/24 MM 190X6



DOUBLE CONE HIGH PRESSURE FITTINGS BAR 350



ARTICLE	DESCRIPTION
TP300100	BULKHEAD CONNECTOR T6 M 10X1
TP300101	BULKHEAD CONNECTOR T6 1/8"



ARTICOLE	DESCRIPTION
TP300102	DOUBLE CONE FITTING T6



ARTICLE	DESCRIPTION
TP300103	ELBOW T6 M1/4-F1/8
TP300104	ELBOW 90° T6 M1/8-F1/8
TP300105	ELBOW 90° T6 M10X1-F1/8
TP300106	ELBOW 90° T6 M8X1-F1/8



ARTICOLO	DESCRIZIONE
TP300107	STRAIGHT CONNECTOR T6 M1/4-F1/8
TP300108	STRAIGHT CONNECTOR T6 M1/8-F1/8
TP300109	STRAIGHT CONNECTOR T6 M10X1-F1/8
TP300110	STRAIGHT CONNECTOR T6 M8X1-F1/8
TP300111	STRAIGHT CONNECTOR T6 M6X1-F1/8
TP300112	STRAIGHT CONN.T6M10X1-F1/8 SHORT THRD
TP300113	STRAIGHT T6M1/8-F1/8 SHORT THREAD

DOUBLE CONE HIGH PRESSURE FITTINGS BAR 350



ARTICLE	DESCRIPTION
TP300114	TURNING JOINT M1/8-F1/8



ARTICLE	DESCRIPTION
TP300115	REDUCING ADAPTORS 90° M10X1-F1/8
TP300116	REDUCING ADAPTORS 90° M1/8-F1/8
TP300117	REDUCING ADAPTORS 90° M8X1-F1/8
TP300118	REDUCING ADAPTORS 90° M6X1-F1/8



ARTICLE	DESCRIPTION
TP300119	EXTENSION mm 6 M10X1-F1/8
TP300120	EXTENSION mm 15 M10x1-F1/8
TP300121	EXTENSION mm 20 M10X1-F1/8
TP300122	EXTENSION mm 25 M 10X1-F1/8



ARTICLE	DESCRIPTION
TP300123	JOIN F1/8-F1/8 HIGH PRESSURE



ARTICLE	DESCRIPTION
TP300124	REDUCING ADAPTORS 1/4M-1/8F



HIGH PRESSURE QUICK COUPLING FITTINGS BAR 250



ITEM	DESCRIPTION
TP300110418	QUICK COUP.STR.JOIN.M 1/8-F.PIPE D 4
TP3001204M6	QUICK COUP.STR.JOIN.M6X0,75-F.PIPE D 4
TP3001104M6	QUICK COUP.STR.JOIN.M 6X1-F. PIPE D 4
TP3001104M8	QUICK COUP.STR.JOIN.M 8X1-F. PIPE D 4
TP3001104M10	QUICK COUP.STR.JOIN.M10X1-F. PIPE D 4
TP300110618	QUICK COUP.STR.JOIN.M1/8-F. PIPE D 6
TP3001206M6	QUICK COUP.STR.JOIN.M6X0,75-F. PIPED 6
TP3001106M6	QUICK COUP.STR.JOIN.M 6X1-F. PIPE D 6
TP3001106M8	QUICK COUP.STR.JOIN.M 8X1-F. PIPE D 6
TP3001106M10	QUICK COUP.STR.JOIN.M10X1-F. PIPE D 6



ITEM	DESCRIPTION
TP300140418	QUICK COUP.ELB.JOIN.M 1/8-F.PIPE D 4
TP3001404M6	QUICK COUP.ELB.JOIN.M 6X1-F. PIPE D 4
TP3001404M8	QUICK COUP.ELB.JOIN.M 8X1-F. PIPE D 4
TP3001404M10	QUICK COUP.ELB.JOIN.M10X1-F. PIPE D 4
TP300140618	QUICK COUP.ELB.JOIN.M1/8-F. PIPE D 4
TP3001406M6	QUICK COUP.ELB.JOIN.M 6X1-F. PIPE D 4
TP3001406M8	QUICK COUP.ELB.JOIN.M 8X1-F. PIPE D 4
TP3001406M10	QUICK COUP.ELB.JOIN.M10X1-F. PIPE D 4



HIGH PRESSURE QUICK COUPLING TURNING JOIN BAR 250

ARTICOLO	DESCRIZIONE
TP300180418	QUICK COUP.TURN.JOIN.M 1/8-F.T. D4
TP3001804M6X0,75	QUICK COU.TURN.JO.M 6X0,75-F.T.D4
TP3001804M6	QUICK COUP.TURN.JO.M 6X1-F.T. D4
TP3001804M8	QUICK COUP.TURN.JO.M 8X1-F.T. D4
TP3001804M10	QUICK COUP.TURN.JO.M10X1-F.T. D4
TP300180618	QUICK COUP.TURN.JOIN.M1/8-F.T. D6
TP3001806M6X0,75	QUICK COU.TURN.JO.M 6X0,75-F.T D6
TP3001806M6	QUICK COUP.TURN.JO.M 6X1-F.T. D6
TP3001806M8	QUICK COUP.TURN.JO.M 8X1-F.T. D6
TP3001806M10	QUICK COUP.TURN.JO.M10X1-F.T. D6





RECOVERABLE CONNECTOR HOSE



ARTICLE	DESCRIPTION
TL30010	REUSABLE FERRULE HOSE D6 mm
TL30020	REUSABLE FERRULE HOSE D8 mm



ARTICLE	DESCRIPTION
TL30011	REUSABLE STANDPIPE D6 mm
TL30021	REUSABLE STANDPIPE D8 mm



ARTICLE	DESCRIZIONE
TL30012	90°REUSABLES TANDPIPE D6 mm



HIGH PRESSURE HOSE



ARTICLE	DESCRIPTION
TL300101	TEKAFLEX HOSE 8X4 STANDARD*
TL300102	TEKAFLEX HOSE 8X4 GREASE FILLED*
TL300111	TEKAFLEX HOSE 14X8 STANDARD*
TL300112	TEKAFLEX HOSE 14X8 GREASE FILLED*



ARTICLE	DESCRIPTION
TL300103	RILSAN HOSE 4X2 BLACK STANDARD*
TL300104	RILSAN HOSE 4X2 BLACK GREASE FILLED*
TL300105	RILSAN HOSE 6X3 BLACK STANDARD*
TL300106	RILSAN HOSE 6X3 BLACK GREASE FILLED*



ARTICLE	DESCRIPTION
TL300113	COPPER HOSE T6
TL300114	COPPER HOSE T8



ARTICOLO	DESCRIZIONE
TL300110	STEEL HOSE DIAM. MM 6*

P.S. ITEM MARKED* PRICE ARE FOR 1 METER LENGHT



PROTECTION SHEATH



ARTICLE	DESCRIPTION
TL300107	PROTECTION SHEATH 12X8*
TL300108	PROTECTION SHEATH 16X12*
TL300109	PROTECTION SHEATH 20X16*



ARTICLE	DESCRIPTION
TL300115	STEEL INOX DIAMET. MM 6*

P.S. ITEM MARKED* PRICE ARE FOR 1 METER LENGHT



T.L.S. TECNOLUBRISYSTEM

FITTINGS



ARTICLE	DESCRIPTION
TL40010	CHAIN LUBRICATION BRUSH



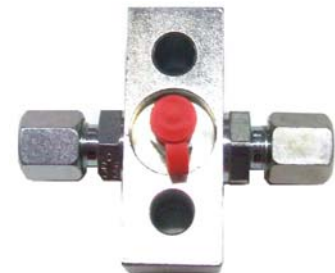
ARTICLE	DESCRIPTION
TL40011	3 WAY HIGH PRESSURE DIVIDER



ARTICLE	DESCRIPTION
TL40012	FITTING DIR. 1/4 T6 HIGH PRESSURE
TL40021	FITTING DIR. 1/4 T8 HIGH PRESSURE



ARTICLE	DESCRIPTION
TL40013	HIGH PRESSURE THREADED COUPLING.



ARTICLE	DESCRIPTION
TL40020	BLOCK FOR HAMMER

BRACKET AND PROTECTION



ARTICLE	DESCRIPTION
TL8000	90° PUMP BRACKET



ARTICLE	DESCRIPTION
TL8001	BRACKET PUMP S



ARTICLE	DESCRIPTION
TL8002	ROD PROTECTION BRACKET



ARTICLE	DESCRIPTION
TL8003	BLADE TUBE PROTECTION



ARTICLE	DESCRIPTION
TL8030	EXCAVATOR ROD PROTECTION



BLOCKS



ARTICLE	DESCRIPTION
TL8004	3 WAYS BLOCK



ARTICLE	DESCRIPTION
TL8005	2 WAYS BLOCK



ARTICLE	DESCRIPTION
TL8006	1 WAY BLOCK



ARTICLE	DESCRIPTION
TL8007	SQUARE PROTECTION



ARTICLE	DESCRIPTION
TL8008	ROUNDED PROTECTION



ARTICLE	DESCRIPTION
TL8009	BORED BRACKET FOR FEEDER 3 ELEM
TL8010	BORED BRACKET FOR FEEDER 5 ELEM
TL8011	BORED BRACKET FOR FEEDER 7 ELEM
TL8012	BORED BRACKET FOR FEEDER 9 ELEM
TL8013	BORED BRACKET FOR FEEDER 11 ELEM



BLOCK FOR CENTRALIZED LUBRICATION



ARTICLE	DESCRIPTION
TA8000111	1 WAY BLOCK 90°



ARTICOLO	DESCRIPTION
TL800112	2 WAY BLOCK 90°



ARTICLE	DESCRIPTION
TA8000101	1 WAY BLOCK



ARTICLE	DESCRIPTION
TA8000102	2 WAY BLOCK



ARTICLE	DESCRIPTION
TA8000103	3 WAY BLOCK



ARTICLE	DESCRIPTION
TA8000104	4 WAY BLOCK



CONNECTION SYSTEMS



ARTICLE	DESCRIPTION
TL8014	6 MM DIA SINGLE TUBE FIXING
TL8015	6 MM DIA DOUBLE TUBE FIXING
TL8016	8 MM DIA SINGLE TUBE FIXING
TL8017	8 MM DIA DOUBLE TUBE FIXING



ARTICLE	DESCRIPTION
TL8018	FIXING CLIPS FOR DIA 6 MM
TL8019	FIXING CLIPS FOR DIA 8 MM
TL8020	FIXING CLIPS FOR DIA 10 MM
TL8021	FIXING CLIPS FOR DIA 12 MM
TL8022	FIXING CLIPS FOR DIA 14 MM
TL8023	FIXING CLIPS FOR DIA 16 MM
TL8024	FIXING CLIPS FOR DIA 18 MM
TL8025	FIXING CLIPS FOR DIA 20 MM



ARTICLE	DESCRIPTION
TL8026	PLASTIC STRIP. CONF. 100PZ. 200X4,8
TL8027	PLASTIC STRIP. CONF. 100PZ. 450X7.8



FAST CHARGER



ARTICLE	DESCRIPTION
TP3012	REFILLING SYRINGE 400 GR



ARTICLE	DESCRIPTION
TP3013	FEMALE JOINT CONNECTION PUMP



ARTICLE	DESCRIPTION
TP3014	FEMALE JOINT CONNECTION PUMP 90°

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