PRENSAFLUIDOS





ADVANCED FLUID
MANAGEMENT SOLUTIONS



Quality comes to the surface





DESIGN IS AN

Aut











The pneumatic piston pump hoists make the drum's exchange **simple** and **fast** thanks to the hoisting system with one or two columns activated pneumatically. Additionally, models equipped with the follower plate **will enable you to pump grease** even beyond the NLGI 3 grade, **highly viscous fluids** and even with high temperatures.

Facilitates the drum's exchange

The new base allows the accommodation of a pallet, making the drum's substitution and its proper positioning easier.

• Unparalleled efficiency

The pneumatic control of the minimum and maximum drum's level allows the simplifying of work operations.

Adaptable with all types of pumps
 All RAASM pumps are usable thanks to
 the brackets and adaptors available
 on the catalog.

Work in safety

The pressure control group allows the keeping of the pump pressure output under control.

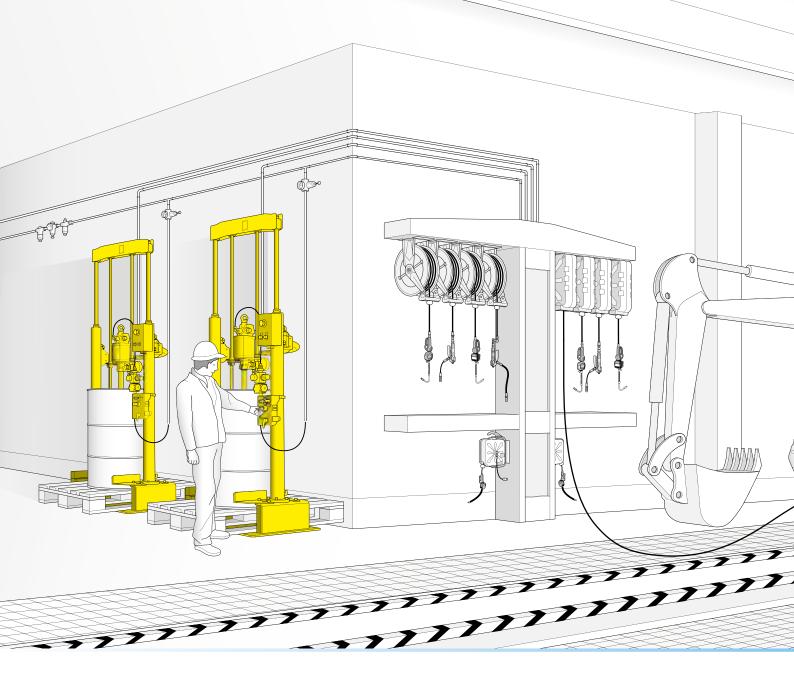
Avoids air pockets in the drum

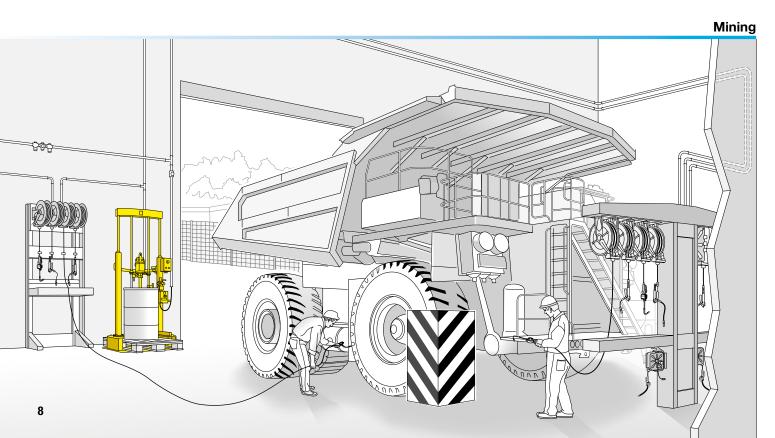
Thanks to the visible bleeder, all internal air pockets are eliminated from the drum, leaving the work environment clean.

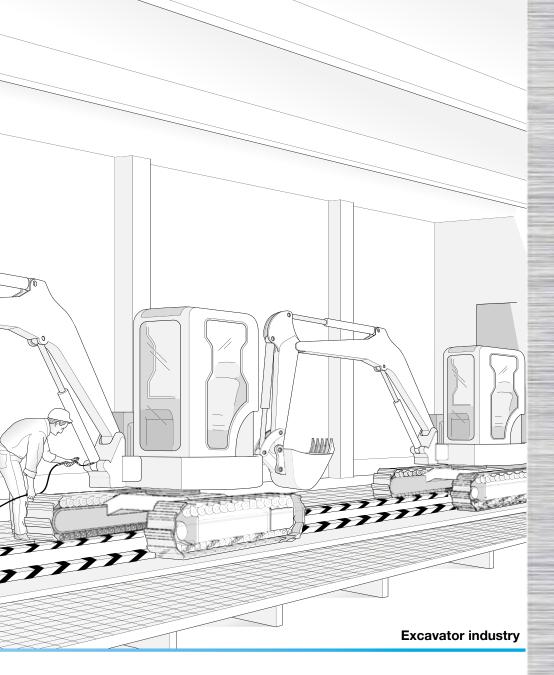
For extremely thick fluids

Ideal for pumping fluids with high viscosity and grease even beyond the NLGI 3 grade (working temperature to be checked).

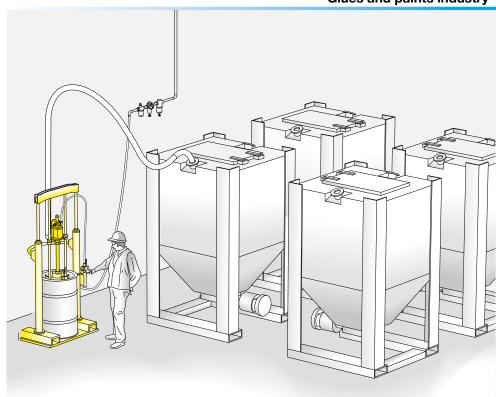














ADVANCED FLUID MANAGEMENT SOLUTIONS

APPLICATION FIELDS

The hoists for pneumatic piston pumps, operating with follower plate, can compress **grease** even beyond the NLGI 3 grade, **very viscous fluids** and even with high temperatures.

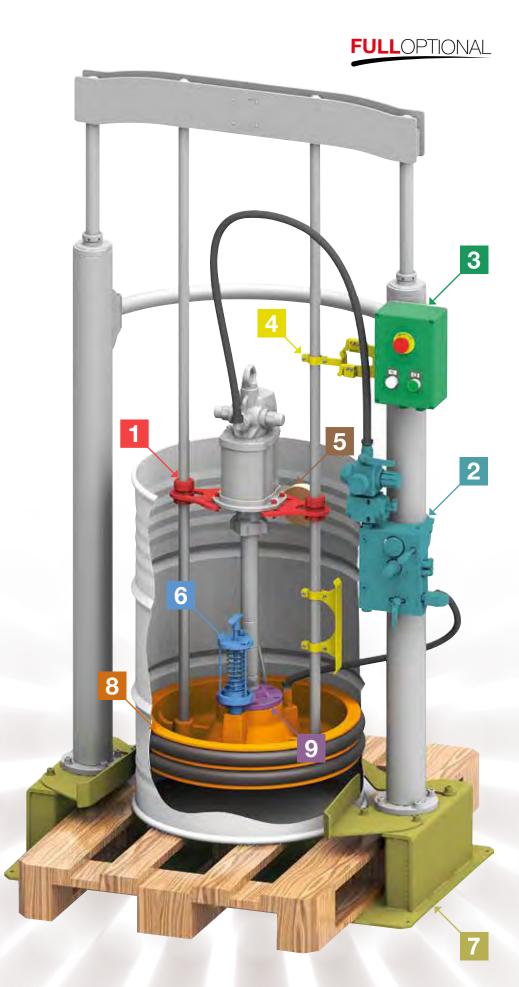
These articles may be used in any industrial contest, requiring the substantial, fast and safe pumping of:

- greases
- oils
- industrial fluids
- paints
- inks
- silicones and glues
- resins
- ... and many others



Ram hoists

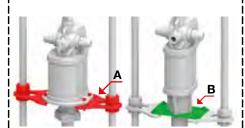
TECHNICAL **CHARACTERISTICS**



Support with pump positioning clamps

STANDARD BRACKETS

All the ram hoists are equipped with 2 standard brackets (**A** - **B**) suitable for mounting all our industrial pumps.



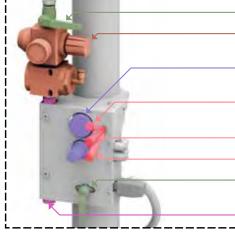
BRACKETS ON REQUEST

P/N 0713:

Support bracket suitable to mount pump with ø 30 mm suction tube.



2 Pneumatic control panel



Pump air feeding ball valve

Pressure regulator with manometer for pump air feeding

Pressure regulator with manometer for twin column ram air feeding

"Follower plate and pump lifting" position

"Off" position

"Follower plate descent" position

Air feeding valve for the following plate lifting

Air inlet connection

- 3 Electric-pneumatic hybrid control
- 4 Minimum and maximum drum level pneumatic control
- Output pressure group control
- Visible air bleeder

Pase suitable for the accommodation of pallets with brackets to center the drum

8

P/N **6049**

Follower plate ø 585 mm with double sealing NBR ring, to be used with air operated twin column ram for drums from 180 to 220 kg. It can be used also with different kind of pumps thanks to special adaptors shown in the below list and available on request, see point 9.

Compatible fluids:

grease and lubricants also with high viscosity, industrial fluids, paints.



Adaptor to be chosen among those available, see point 9

Air bleeding valve
Air inlet connection for pump lifting

Connection for outlet discharge valve

NBR double sealing ring

9



P/N **6067**Adaptor suitable for pumps with G 1" (f) suction tube



P/N **6068**Adaptor suitable for pumps with G 2" (f) suction tube



P/N **6069**Adaptor + Support
(KR1102) suitable for pumps with
Ø 30 mm suction tube



P/N **6070**Adaptor suitable for pumps with Ø 45 mm suction tube



P/N **6071**Adaptor suitable for pumps with ø 50,8 mm suction tube

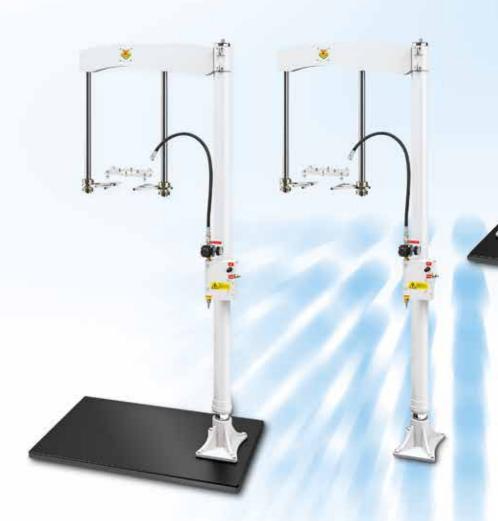


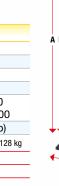
Air-operated pump elevator

The pump elevators are available in single column (with or without basement) or twin column version. It is raised by compressed air, via the side mounted 3-way valve that allows to change the drum easily and quickly.



Comfortable drum change, pump always mounted





P/N	0712	0711	6034	
Column	1 with basement	1 without basement	2 with basement	
Suitable for drums	180 ÷ 220 kg	180 ÷ 220 kg	180 ÷ 220 kg	
Working temperature	+2 ÷ +40 °C	+2 ÷ +40 °C	+2 ÷ +40 °C	
Max pressure	8 bar	8 bar	8 bar	
Usable pumps	s. 600 - 700 - 900 - 1200 - 1500 - 1800	s. 600 - 700 - 900 - 1200 - 1500 - 1800	s. 600 - 700 - 900 - 1200 - 1500 - 1800	
Noise level	negligible (< 70 db)	negligible (< 70 db)	negligible (< 70 db)	
Packing - Gross weight	N° 1 packing 1,16 m³ 👸 97 kg	N° 1 packing 0,68 m³ 👸 75 kg	N° 1 packing 1,41 m³ 128 kg	
Height max/min (A - B)	2750 - 1750 mm	2715 - 1715 mm	2750 - 1750 mm	
Dimensions (C - D)	866 - 630 mm	140 - 255 mm	1086 - 630 mm	

PERSONALIZED KIT

In order to satisfy any particular need it is possible to create a "Personalized kit". According to the kind of fluids, please follow the specific column and choose the right part number in each one of the 3 steps:

GREASE AND VISCOUS FLUIDS PROCEDURE

Choose the ram hoist (see page on the left), and then complete your kit with **Pump**, **Follower plate and Drum cover.**

OIL AND INDUSTRIAL FLUIDS PROCEDURE

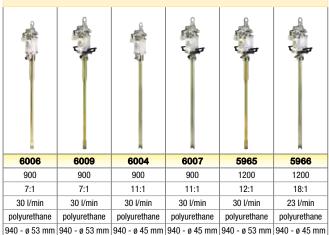
Choose the ram hoist (see page on the left), and then complete your kit with **Pump**, **Follower plate and Bung adaptor**.

Grease and viscous fluids pumps



P/N	0049	0052	0053	6005	0941	5967	5982
Series	600	700	900	900	1200	1200	1500
Ratio	50:1	65:1	45:1	70:1	75:1	40:1	70:1
Flow rate	1500 g/min	1900 g/min	4400 g/min	3000 g/min	4400 g/min	10000 g/min	7000 g/min
Seals	polyurethane	polyurethane	polyurethane	polyurethane	polyurethane	polyurethane	polyurethane
Suct tube	940-ø 30 mm	940-ø 30 mm	940-ø 45 mm	940-ø 45 mm	940-ø 45 mm	940-ø 50.8 mm	940-ø 50 8 mm

Oil and viscous fluids pumps



2

Grease and viscous fluids follower plate

P/N **0062**

Follower plate ø 585 mm for pumps with suction tube ø 30 mm

P/N **0063**

Follower plate ø 585 mm for pumps with suction tube ø 45 mm

P/N 6111

Follower plate ø 585 mm for pumps with suction tube ø 50,8 mm

Oil and viscous fluids drum cover



P/N **0058**

Drum cover ø 600 mm for pumps with suction tube ø 45 mm

P/N **4635**

Drum cover ø 600 mm with thread union G 2" (f)

3

Grease and viscous fluids drum cover



P/N **0057**

Drum cover ø 600 mm for pumps with suction tube ø 30 mm

P/N 0058

Drum cover ø 600 mm for pumps with suction tube ø 45 mm

P/N **6104**

Drum cover ø 600 mm for pumps with suction tube ø 50,8 mm

Oil and viscous fluids bung adaptor



P/N **6089**

Bung adaptor for pumps with suction tube \emptyset 45 mm

P/N 0007

Bung adaptor for pumps with suction tube \emptyset 50 mm

P/N **1078**

Bung adaptor for pumps with suction tube ø 50,8 mm

Example

The kit is ready to use.



Example

The kit is ready to use.





Ram hoists

The two versions P/N **6035** and P/N **6055** include the use of a follower plate with double seal to facilitate the pumping of grease with high viscosity. They differ according to the type of accommodation base for pallet.

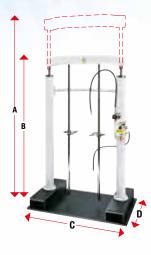


Simple positioning drum, efficient with viscous grease





P/N	6035	6055	
Column	2	2	
Suitable for drums	180 ÷ 220 kg	180 ÷ 220 kg	
Working temperature	+2 ÷ +40 °C	+2 ÷ +40 °C	
Max pressure	8 bar	8 bar	
Usable pumps	s. 600 - 700 - 900 - 1200 - 1500 - 1800	s. 600 - 700 - 900 - 1200 - 1500 - 1800	
Noise level	negligible (< 70 db)	negligible (< 70 db)	
Pushing force * downwards at:	4 bar 432 kg - 6 bar 648 kg - 8 bar 864 kg	4 bar 432 kg - 6 bar 648 kg - 8 bar 864 kg	
Basament accommodation pallet	-	11/101	
Packing - Gross weight	🗑 № 1 packing 1,84 m³ 📋 187 kg	N° 1 packing 1,84 m³ 👸 190 kg	
Height max/min (A - B)	2800 - 1800 mm	2800 - 1800 mm	
Dimensions (C - D)	1086 - 630 mm	1086 - 630 mm	



[★] theoretical valves, friction coefficient has not been considered. Furthermore depression's force created by the pump during suction (+2100 kg) must be added to the listed figures.

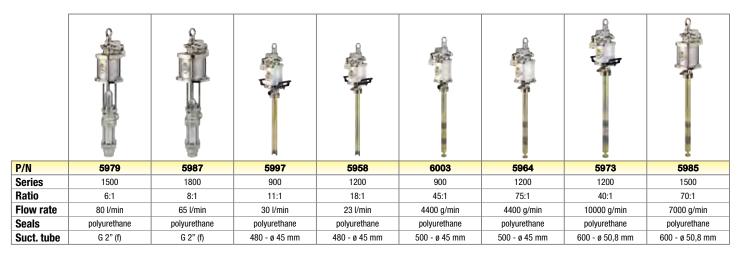
PERSONALIZED KIT

In order to satisfy any particular need it is possible to create a "Personalized kit". According to the kind of fluids choose the right part number in each one of the **4 steps:**



Grease, viscous fluids, oil and industrial fluids pumps

Choose the ram hoist (see page on the left), and then complete your kit according with your needs with one of the industrial pump below. We introduce the main versions but all the RAASM industrial pumps are suitable.



2

Follower plate

Add to the kit the follower plate with double seal P/N **6049**.



P/N **6049 Follower plate** ø **585 mm** with NBR double seal ring.



Adaptor

Choose the adaptor to mount on the follower plate P/N 11/60 according with the pump suction tube diameter.



Adaptor suitable for pumps with G 1" (f) suction tube.

P/N **6068**

Adaptor suitable for pumps with G 2" (f) suction tube.

P/N **6069**

Adaptor suitable for pumps with Ø 45 mm suction tube.

P/N **6070**

Adaptor + Support (KR1102) suitable for pumps with Ø 30 mm suction tube.

P/N **6071**

Adaptor suitable for pumps with ø 50,8 mm suction tube.



Optional

If you need or if you want something more add one of the available optional introduced on page 19.







Example

The kit is ready to use.





Ram hoist kits

Air-operated twin column ram hoist with industrial pump.

It is raised and lowered by compressed air, via the side mounted 3-way valve. Essential when pumping high viscosity and heavy fluids since ram pushes down the follower plate helping pump working. It is suitable for 180 ÷ 220 kg drums.



useful with higher viscosity grease and higher distances

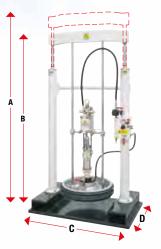


P/N	6029	6031	6024	6026	
Twin column ram	6035	6035	6035	6035	
Follower plate in NBR	6049	6049	6049	6049	
Adaptor	6068	6068	6070	6070	
Pump with seals in PU	5979	5987	5997	5958	
Ratio	6:1	8:1	11:1	18:1	
Flow rate	80 l/min	65 l/min	30 l/min	23 l/min	
Suction tube	G 2" (f)	G 2" (f)	ø 45 mm	ø 45 mm	
Pump connection hose	150 bar	150 bar	150 bar	150 bar	
Follower plate connection hose	150 bar	150 bar	150 bar	150 bar	
Suitable for drums	180 ÷ 220 kg	180 ÷ 220 kg	180 ÷ 220 kg	180 ÷ 220 kg	
Packing - Gross weight	N° 1 packing 1,80 m³ 247 kg	N° 1 packing 1,80 m³ 👸 250 kg	N° 1 packing 1,80 m³ 🔓 220 kg	N° 1 packing 1,80 m³ 224 kg	
Height max/min (A - B)	2800 - 1800 mm	2800 - 1800 mm	2800 - 1800 mm	2800 - 1800 mm	
Dimensions (C - D)	1086 - 630 mm	1086 - 630 mm	1086 - 630 mm	1086 - 630 mm	

The kits offered in these two pages differ in the industrial pneumatic pumps installed. Usable with drums from 180 ÷ to 220 kg, they are designed to pump also very viscous fluids and grease at various distances. According to the personal needs, choose the most suitable model and, eventually, personalize it with the accessories on page 19.



6027	6025	6028	6030
6035	6035	6035	6035
6049	6049	6049	6049
6071	6070	6070	6071
5793	6003	5964	5985
40:1	45:1	75:1	70:1
10 kg/min	4,4 kg/min	4,4 kg/min	7 kg/min
ø 50,8 mm	ø 45 mm	ø 45 mm	ø 50,8 mm
150 bar	150 bar	150 bar	150 bar
150 bar	150 bar	150 bar	150 bar
180 ÷ 220 kg	180 ÷ 220 kg	180 ÷ 220 kg	180 ÷ 220 kg
₩ N° 1 packing 1,80 m³ 225 kg	₩ N° 1 packing 1,80 m³ 223 kg	№ N° 1 packing 1,80 m³	№ N° 1 packing 1,80 m³
2800 - 1800 mm	2800 - 1800 mm	2800 - 1800 mm	2800 - 1800 mm
1086 - 630 mm	1086 - 630 mm	1086 - 630 mm	1086 - 630 mm
	6035 6049 6071 5793 40:1 10 kg/min Ø 50,8 mm 150 bar 150 bar 180 ÷ 220 kg № 1 packing 1,80 m³ 225 kg 2800 - 1800 mm	6035 6049 6049 6071 6070 5793 6003 40:1 45:1 10 kg/min Ø 50,8 mm 150 bar 150 bar 150 bar 150 bar 180 ÷ 220 kg	6035 6035 6035 6035 6035 6049 6049 6049 6071 6070 6070 5793 6003 5964 40:1 75:1 75:1 75:1 10 kg/min 4,4 kg/min 4,4 kg/min 4,4 kg/min





Ram hoist kits

Air operated twin column ram hoist with industrial pump. The underlying models include as a standard accessory the accommodation base pallet, essential for positioning easily and correctly the pallet where the drum rests. Additionally, various accessories are available, which increase the safety and functionality of the article, assembled singularly or simultaneously according to the code. Only the model "Full Optional" P/N 6045 presents all the equipment listed on pages 10 and 11. Kits are suitable for drums from 180 ÷ to 220 kg.

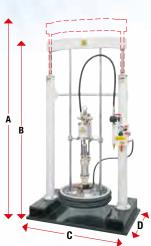


Customizable for higher safety and functionality



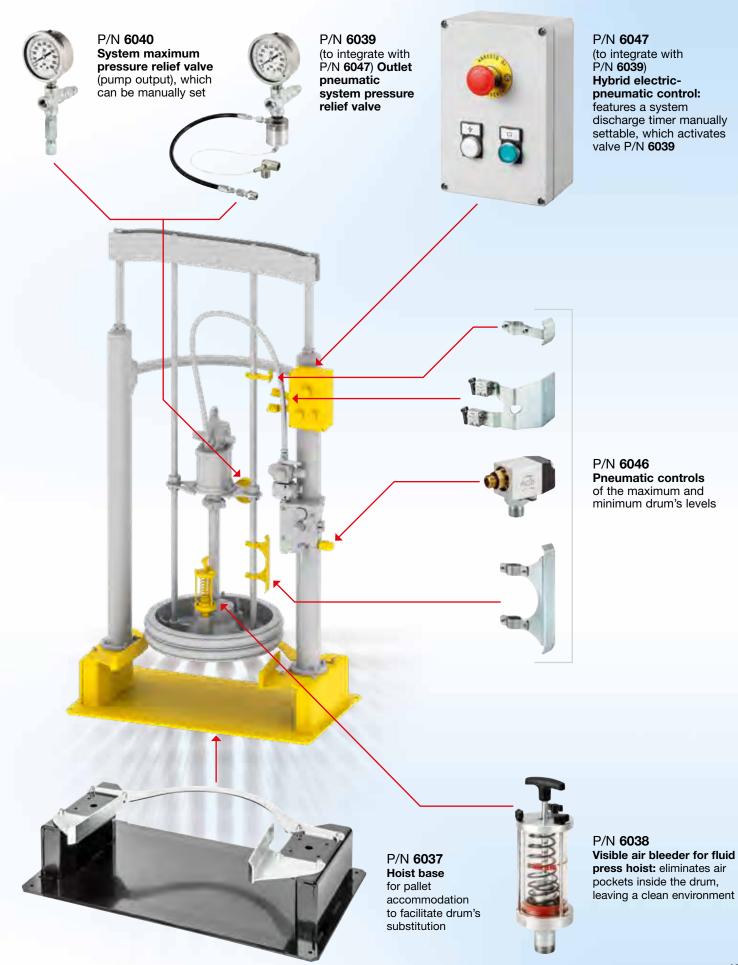


P/N	6041	6044	6042	6045
Twin column ram	6055	6055	6055	6055
Follower plate in NBR	6049	6049	6049	6049
Adaptor	6071	6070	6071	6070
Pump with seals in PU	5973	5964	5973	5964
Ratio	40:1	75:1	40:1	75:1
Flow rate	10 kg/min	4,4 kg/min	10 kg/min	4,4 kg/min
Suction tube	ø 50,8 mm	ø 45 mm	ø 50,8 mm	ø 45 mm
Pump connection hose	150 bar	150 bar	150 bar	150 bar
Follower plate connection hose	150 bar	150 bar	150 bar	150 bar
Suitable for drums	180 ÷ 220 kg			
Pneumatic limit switch	-	-	6046	6046
Visible drain valve	-	-	6038	6038
Electric pneumatic hybrid control	-	-	-	6047
Outlet pressure relief valve	-	-	-	6039
Packing - Gross weight	N° 1 packing 1,80 m³			
Height max/min (A - B)	2950 - 1950 mm			
Dimensions (C - D)	1086 - 630 mm			





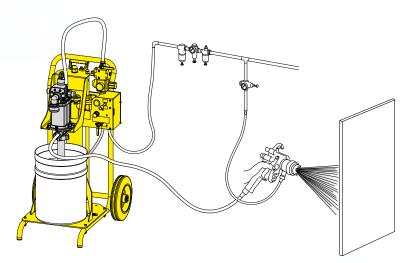
Ram hoist accessories from 180 to 220 kg



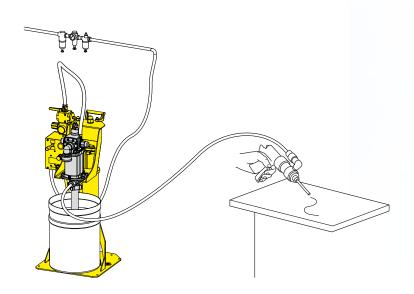


from 18 to 30 kg drums

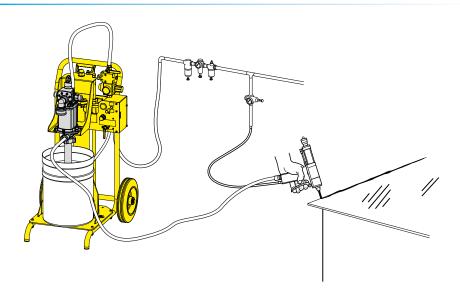




Fluid distribution system (for paints, lubricants, protective liquids, etc.) with spray gun.



Automated system for the delivery of preselected quantities of fluids (inks, paints, greases, etc.).



Application of sealants, adhesives, greases, etc., by means of special delivery gun.



APPLICATION FIELDS

The pneumatic piston pump hoists, operating with follower plate, can compress **grease** even beyond the NLGI 3 grade, **very viscous fluids** and even with particularly high temperatures.

These articles can be used in any industrial contest that might need the substantial, fast and safe pumping:

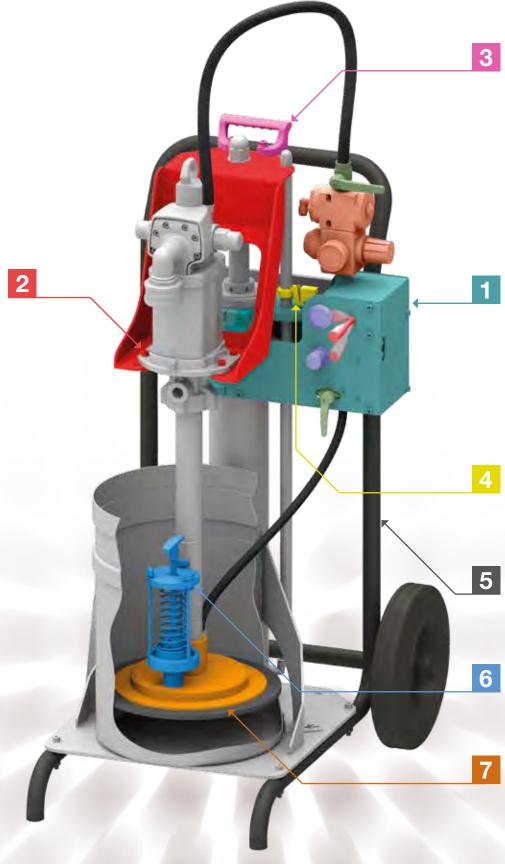
- greases
- oils
- industrial fluids
- paints
- inks
- silicones and glues
- resins
- ... and many others

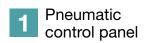


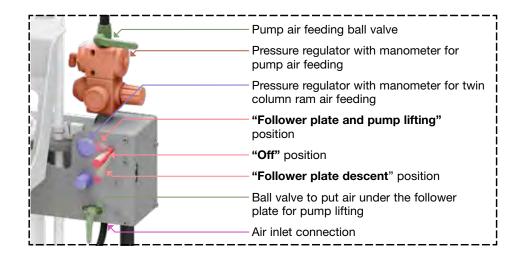
Ram hoists

TECHNICAL **CHARACTERISTICS**

FULLOPTIONAL







Support with pump positioning clamps

5 Trolley for the kit

Handle to facilitate the moving of the cart

6 Visible air bleeder

Minimum drum level pneumatic control

7 Follower plate

- Facilitates the exchange of the drum: the base allows both the drum's exchange and its
 correct positioning.
- **Unparalleled efficiency:** the pneumatic control of the drum's minimum level simplifies the work operations.
- Convenience in any situation: the drum's movable cart allows the easy moving of the pump to get close to the distribution point.
- For small size drums: designed to accommodate the needs of those who work with drums from 18 to 30 kg.
- Avoids air pockets in the drum: thanks to the visible air bleeder, all air pockets are eliminated from inside the drum, leaving a clean work environment.
- For extremely dense fluids: ideal for pumping fluids with high viscosity and grease beyond even the NLGI 3 grade (work temperature to be checked).

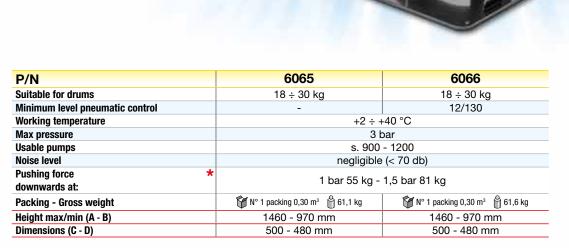


Ram hoists from 18 to 30 kg

Air-operated single column ram hoist with industrial pump. It is raised and lowered by compressed air, via the side mounted 3-way valve. Essential when pumping high viscosity and heavy fluids since ram pushes down the follower plate helping pump working. It is suitable for 18 - 30 kg drums. The follower plate available on request, is suitable for drums with max diameter 310 mm and max height 490 mm.



Comfortable and safety



[★] theoretical valves, friction coefficient has not been considered. Furthermore depression's force created by the pump during suction (+2100 kg) must be added to the listed figures.

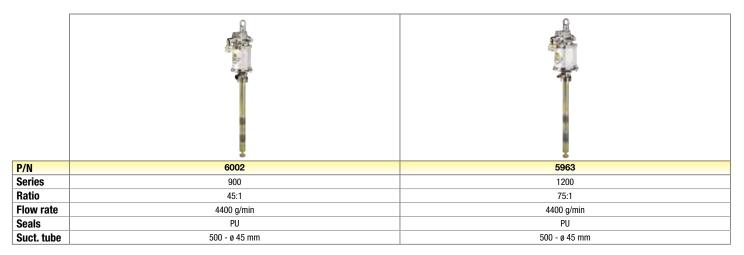
PERSONALIZED KIT

In order to satisfy any particular need it is possible to create a "Personalized kit". According to the kind of fluids, choose the right part number in each one of the 4 steps:

1

Grease, viscous fluids, oil and industrial fluids pumps

Choose the ram hoist (see page on the left), and then complete your kit according with your needs with one of the industrial pump below.



2

Follower plate

Add to the kit the follower plate.



Trolley

Choose if you want a mobile unit.



P/N **6048 Follower plate ø 310 mm**with NBR seal ring and suction tube adaptor ø 45 mm (for drum with internal ø from 260 to 310 mm)



P/N **4691 Trolley** for ram hoist from 18 to 30 kg

4

Optional

If you need something more add one of the available optional introduced on page 28.





The kit is ready to use.





Ram hoist kits

Air operated single column ram hoist with industrial pump.

The following models, with or without trolley, provide some useful accessories to increase the safety and functionality of the article, assembled singularly or simultaneously, according to the code. Only the models "Full Optional" P/N 6075 and P/N 6079 present all the equipment listed on pages 22 and 23. Kits are suitable for drums from 18 to 30 kg. The available membrane is suitable for drums with a max Ø of 310 mm and a max height of 490 mm.





P/N without TROLLEY	6056	6060	6057	6061	
P/N with TROLLEY	6072	6076	6073	6077	
Twin column ram	6065	6065	6065	6065	
Follower plate in NBR	6048	6048	6048	6048	
Pump with seals in PU	6002	5963	6002	5963	
Ratio	45:1	75:1	45:1	75:1	
Flow rate	4400 g/min	4400 g/min	4400 g/min	4400 g/min	
Suction tube	500 mm	500 mm	500 mm	500 mm	
Visible air bleeder	-	-	6038	6038	
Minimum level pneumatic control	-	-	-	-	
Pump connection hose	150 bar	150 bar	150 bar	150 bar	
Follower plate connection hose	20 bar	20 bar	20 bar	20 bar	
Suitable for drums	18 ÷ 30 kg				
Packing - Gross weight (without trolley)	N° 1 packing 0,58 m³ 👚 79,4 kg	N° 1 packing 0,58 m³ ⊕ 80,6 kg	N° 1 packing 0,58 m³ ⊕ 80,0 kg	N° 1 packing 0,58 m³ 🔓 81,6 kg	
Packing - Gross weight (with trolley)	N° 1 packing 0,58 m³ 👸 96,1 kg	N° 1 packing 0,58 m³ 👸 97,3 kg	N° 1 packing 0,58 m³ 👸 76,7 kg	N° 1 packing 0,58 m³ 🖁 98,3 kg	
Height max/min (A - B)	1560 - 1070 mm				
Dimensions (C - D)	610 - 725 mm				

Kits P/N 6075 and P/N 6079 on this page feature all the available accessories to make the single column ram hoist the most performant possible. In particular, kits are on movable trolley to facilitate the moving of the pump and they offer the visible air bleeder and the pneumatic control of the minimum level of the drum.

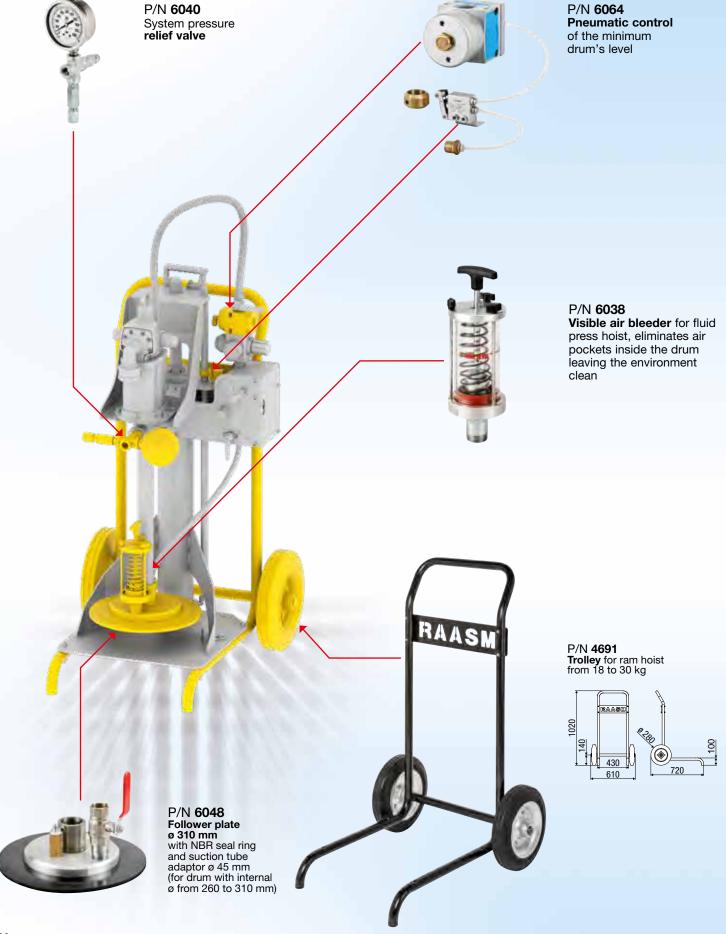




6058	6062	6059	6063
6074	6078	6075	6079
6066	6066	6066	6066
6048	6048	6048	6048
6002	5963	6002	5963
45:1	75:1	45:1	75:1
4400 g/min	4400 g/min	4400 g/min	4400 g/min
500 mm	500 mm	500 mm	500 mm
-	-	6038	6038
6064	6064	6064	6064
150 bar	150 bar	150 bar	150 bar
20 bar	20 bar	20 bar	20 bar
18 ÷ 30 kg			
N° 1 packing 0,58 m³ ⊕ kg 80,0	N° 1 packing 0,58 m³ 🖁 81,5 kg	N° 1 packing 0,58 m³ 🖁 81,1 kg	N° 1 packing 0,58 m³ 🖁 82,1 kg
N° 1 packing 0,58 m³ 🔓 kg 96,6	N° 1 packing 0,58 m³ 👸 98,2 kg	N° 1 packing 0,58 m³ 🖁 97,8 kg	N° 1 packing 0,58 m³ 👸 98,8 kg
1560 - 1070 mm			
610 - 725 mm			



Ram hoist accessories 18 ÷ 30 kg





TECNOLOGÍA

La investigación y el desarrollo de nuevas soluciones que acabarán convirtiéndose en productos de vanguardia de la más alta calidad totalmente fabricados en Italia, es el principal punto de partida de todo el ciclo de producción



Desde siempre, la calidad es una preocupación básica en la creación de productos **RAASM**. Para obtenerla es indispensable la ejecución de un sinfín de pruebas altamente exigentes y rigurosas





FUNCIONABILIDAD

RAASM dispone de la más completa gama de productos para lubricación y distribución de fluidos. El objetivo es el de dar siempre una respuesta satisfactoria a las demandas de nuestros clientes y cubrir sus exigencias







Company with an ISO 9001:2015 certified quality management system

RAASM S.p.A. 36022 S. ZENO DI CASSOLA (VI) Via Marangoni, 33 - ITALY



C/Candás, 20 Bajo - 33207 Gijón - Asturias - España Tel. (+34) 984 05 00 90 gesfluid@gesfluid.es - www.gesfluid.es