



INDUSTRIAL DYEING PUMPS

**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

**Sturdy and reliable
industrial and
diaphragm pumps.**

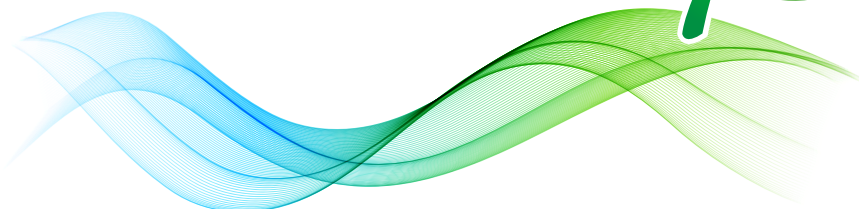




HELP THE NATURE

Packaging contains, depending on the articles, one or more of the following materials; they must be recycled in accordance with current regulations in the country of use.

cardboard • polyethylene sack • polystyrene
paper • wood • nails • plastic strap
cellophane • clips • gummed paper





**ADVANCED FLUID
MANAGEMENT SOLUTIONS**



DESIGN IS AN

Art



founded in 1975



*the human side
of Quality*

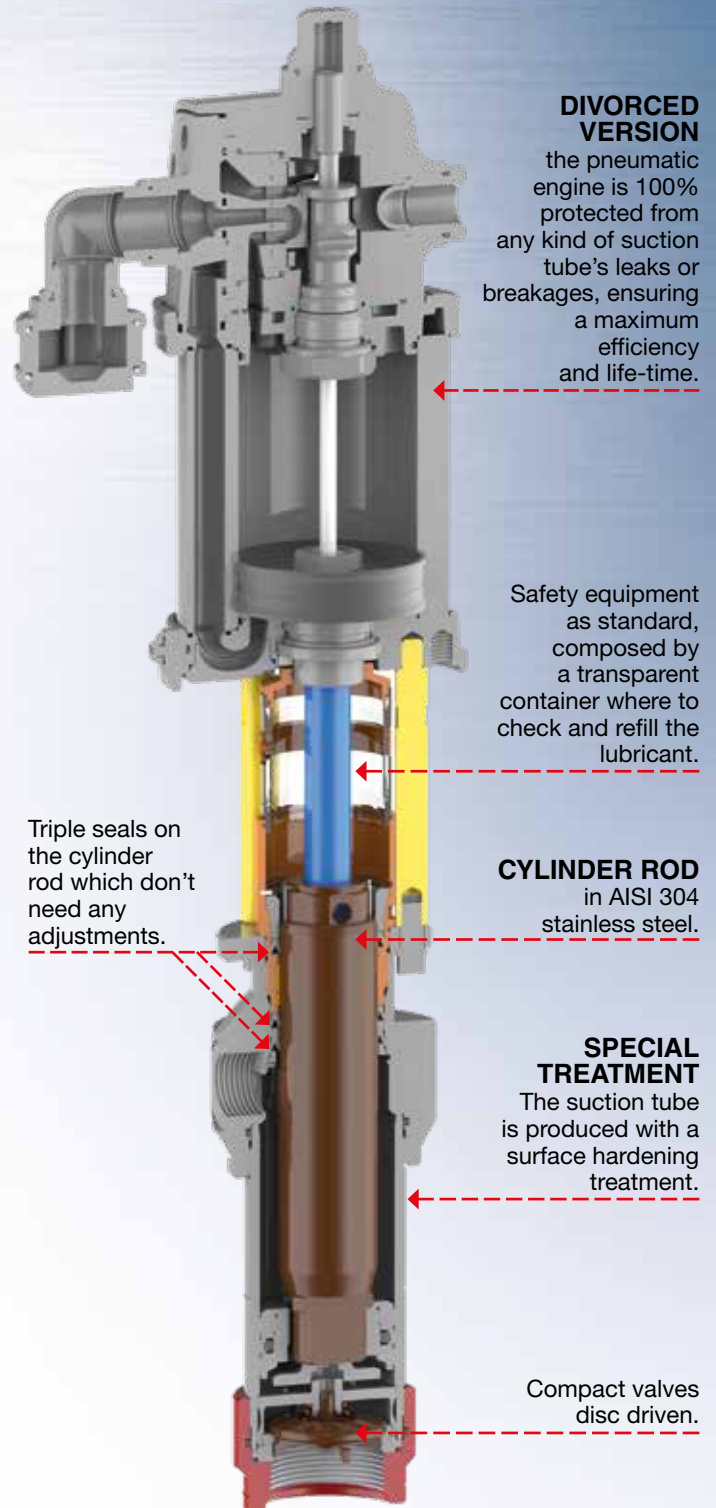


INDUSTRIAL PISTON PUMPS

TECHNICAL CHARACTERISTICS

✓ STRENGTH POINTS

- The suction tube is designed and produced with a surface hardening treatment to prevent the corrosion.
- Sturdy and solid with small dimensions and flow rate and hydraulic head high performances.
- Usable in different positions: vertical, oblique and horizontal.
- Provided with Teflon® seals which don't need any adjustments.





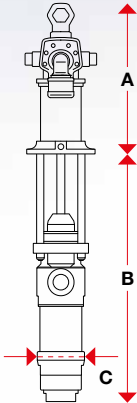
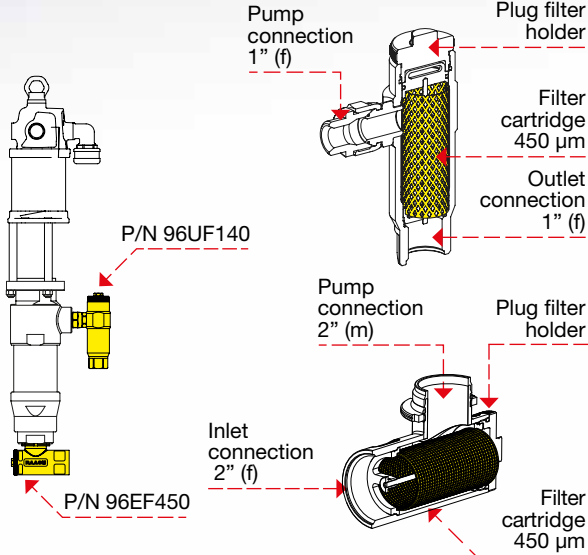
AIR-OPERATED INDUSTRIAL PUMPS AISI 304 STAINLESS STEEL

PISTON

1" - 90 l/min



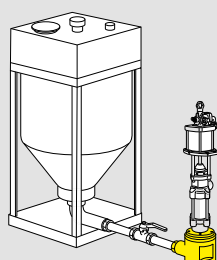
Series	900 divorced	1200 divorced
P/N	94DT/31	124DT/51
Ratio	3:1	5:1
Flow rate	90 l/min	90 l/min
Seals	Teflon®	Teflon®
Compatible fluids	Paints, chemical and industrial fluids	
Suction tube upper body	Stainless steel AISI 304	
Suction tube	Stainless steel AISI 304	
Air motor	Aluminum, hardened steel, brass	
Air inlet connection	G 1/2" (f)	G 1/2" (f)
Fluid inlet connection	G 2" (f)	G 2" (f)
Fluid outlet connection	G 1" (f)	G 1" (f)
Max air consumption 8 bar	2 m³/min	2,8 m³/min
Noise level	80 dB	80 dB
Air max feed pressure	8 bar	8 bar
Weight	18 Kg	19 Kg
Suitable for silos installation: - vertical - oblique - horizontal		

Overall dimensions (mm)				Filter mounting
				
A	B	C	 Packing L x P x H	
320	398	89,5	285 x 210 x 910	

ACCESSORIES (to be ordered separately)

P/N 21/362

Basement with industrial pumps connector



P/N 96UF140

Adjustable outlet filter 1" (f) in AISI 304 stainless steel with connection 1" (f)



P/N 96EF450

Adjustable inlet filter connection in AISI 304 stainless steel with connection 2" (m)

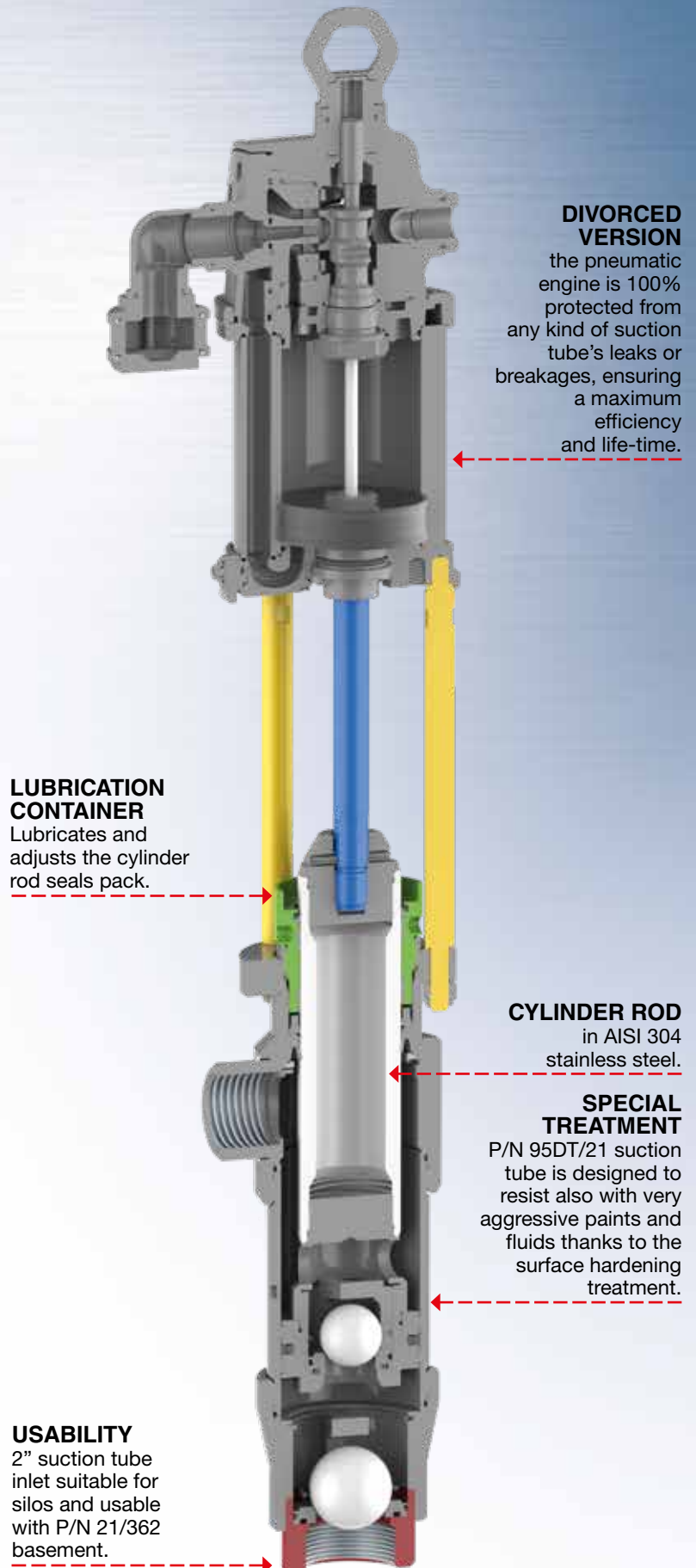


INDUSTRIAL PISTON PUMPS

TECHNICAL CHARACTERISTICS

✓ STRENGTH POINTS

- Maximum resistance: pump is designed to resist also with very aggressive paints and fluids thanks to a special surface treatment.
- Safety in time: pneumatic engine and suction tube are separated to avoid a possible contact between fluid and engine's components.
- High performance: industrial pumps are the result of many R&D years. They are tested one by one to ensure the best performance and efficiency.
- Provided with Teflon® seals which don't need any adjustments.



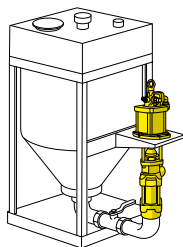


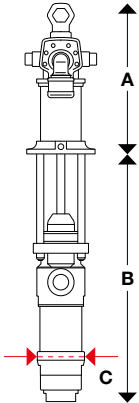
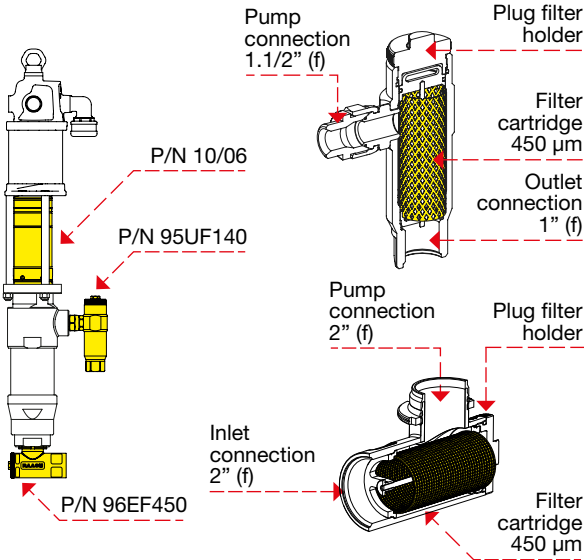
AIR-OPERATED INDUSTRIAL PUMPS AISI 304 STAINLESS STEEL

PISTON

1.1/2" - 95 l/min



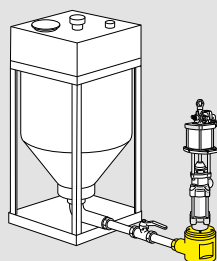
Series	900 divorced	1200 divorced
P/N	95DT/21	120DT/31
Ratio	2:1	3:1
Flow rate	95 l/min	95 l/min
Seals	Teflon®	Teflon®
Compatible fluids	Paints, chemical and industrial fluids	
Suction tube upper body	Carbon steel	
Suction tube	Stainless steel AISI 304 the surface hardening treatment	
Air motor	Aluminum, hardened steel, brass	
Air inlet connection	G 1/2" (f)	G 1/2" (f)
Fluid inlet connection	G 2" (f)	G 2" (f)
Fluid outlet connection	G 1.1/2" (f)	G 1.1/2" (f)
Max air consumption 8 bar	1,6 m³/min	2,3 m³/min
Noise level	80 dB	80 dB
Air max feed pressure	8 bar	8 bar
Weight	45 Kg	56 Kg
Suitable for silos 		

Overall dimensions (mm)				Filter mounting
				
A	B	C	 Packing (mm) L x P x H	
360	600	120	310 x 360 x 1250	

ACCESSORIES (to be ordered separately)

P/N 21/362

Basement with industrial pumps connector



P/N 10/06

Safety equipment ø 100 mm as standard, composed by a transparent container where to check and refill the lubricant.



P/N 95UF140

Adjustable outlet filter 1" (f) in AISI 304 stainless steel with connection 1.1/2" (f)



P/N 96EF450

Adjustable inlet filter connection 2" (f) in AISI 304 stainless steel

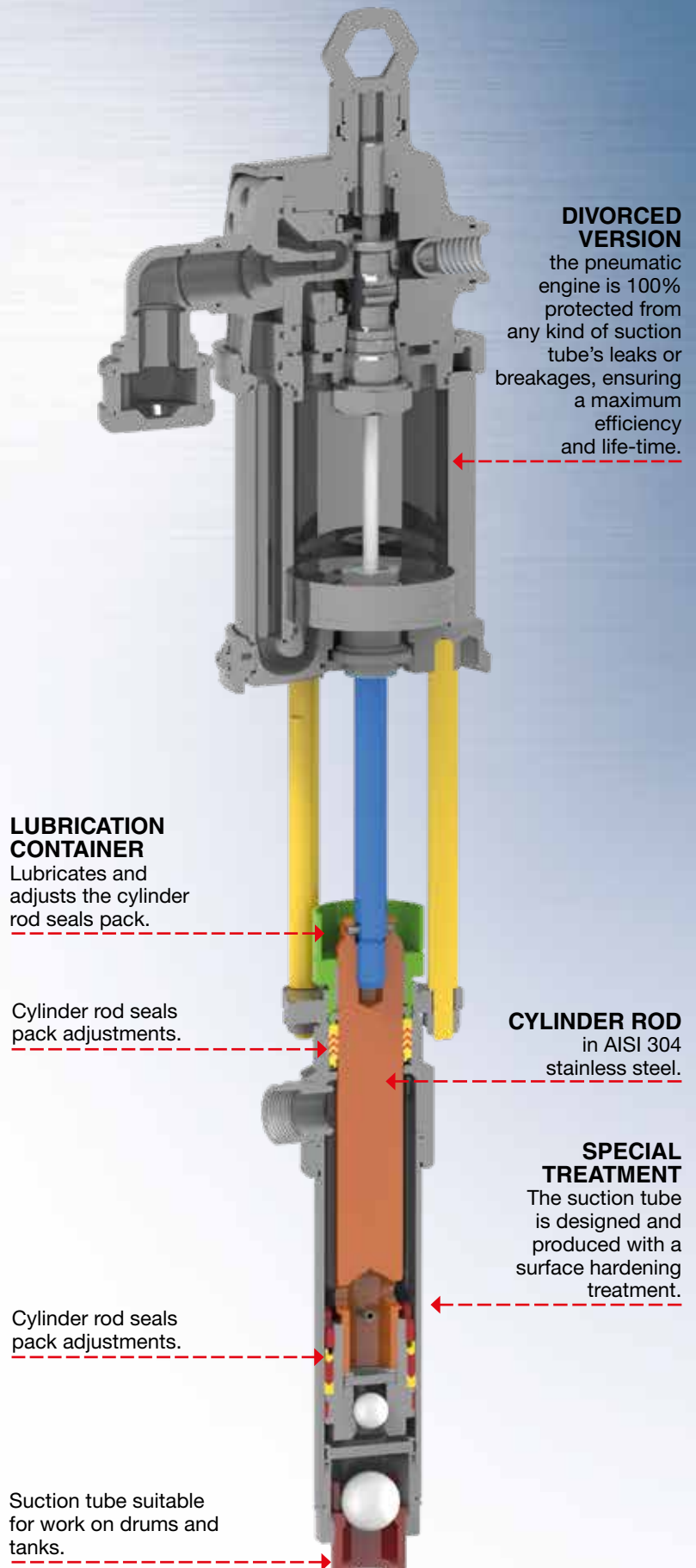


INDUSTRIAL PISTON PUMPS

TECHNICAL CHARACTERISTICS

✓ STRENGTH POINTS

- Maximum resistance:
the pump is designed to resist very aggressive paints and fluids thanks to a special surface treatment.
- Safety in time:
pneumatic engine and suction tube are separated to avoid a possible contact between fluid and engine's components.
- High performance:
industrial pumps are the result of many R&D years. They are tested one by one to ensure the best performance and efficiency.



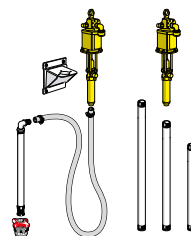


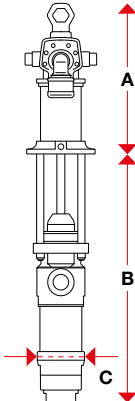
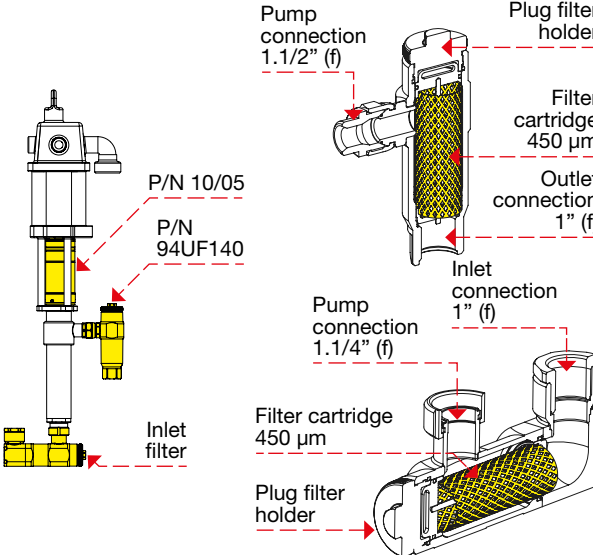
AIR-OPERATED INDUSTRIAL PUMPS AISI 304 STAINLESS STEEL

PISTON

3/4" - 42 l/min



Series	900 divorced	1200 divorced
P/N	94D/61	121D/91
Ratio	6:1	9:1
Flow rate	42 l/min	42 l/min
Seals	Teflon®+UHMW-PE	
Compatible fluids	Paints, chemical and industrial fluids	
Suction tube upper body	AISI 304 stainless steel	
Suction tube	AISI 304 stainless steel	
Air motor	Aluminum, hardened steel, brass	
Air inlet connection	G 1/2" (f)	G 1/2" (f)
Fluid inlet connection	G 1.1/4" (m)	G 1.1/4" (m)
Fluid outlet connection	G 3/4" (f)	G 3/4" (f)
Max air consumption 8 bar	1,6 m³/min	2,5 m³/min
Noise level	80 dB	80 dB
Air max feed pressure	8 bar	8 bar
Weight	14,5 Kg	15,5 Kg
Suitable for drums or tanks 		

Overall dimensions (mm)				Filter mounting
				
A	B	C	 Packing (mm) L x P x H	
360	480	60	285 x 210 x 910	

ACCESSORIES (to be ordered separately)

P/N 37817

Pressure regulator with discharge of condensation and air lubricator 1/2" (f) x 1/2" (f)



P/N 10/05

Safety equipment ø 60 mm as standard, composed by a transparent container where to check and refill the lubricant.



P/N 94UF140

Adjustable outlet filter 1" (f) in AISI 304 stainless steel with connection 3/4" (f)



P/N 94EF450

Adjustable inlet filter connection 1.1/4" (f) in AISI 304 stainless steel





**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

DIAPHRAGM PUMPS

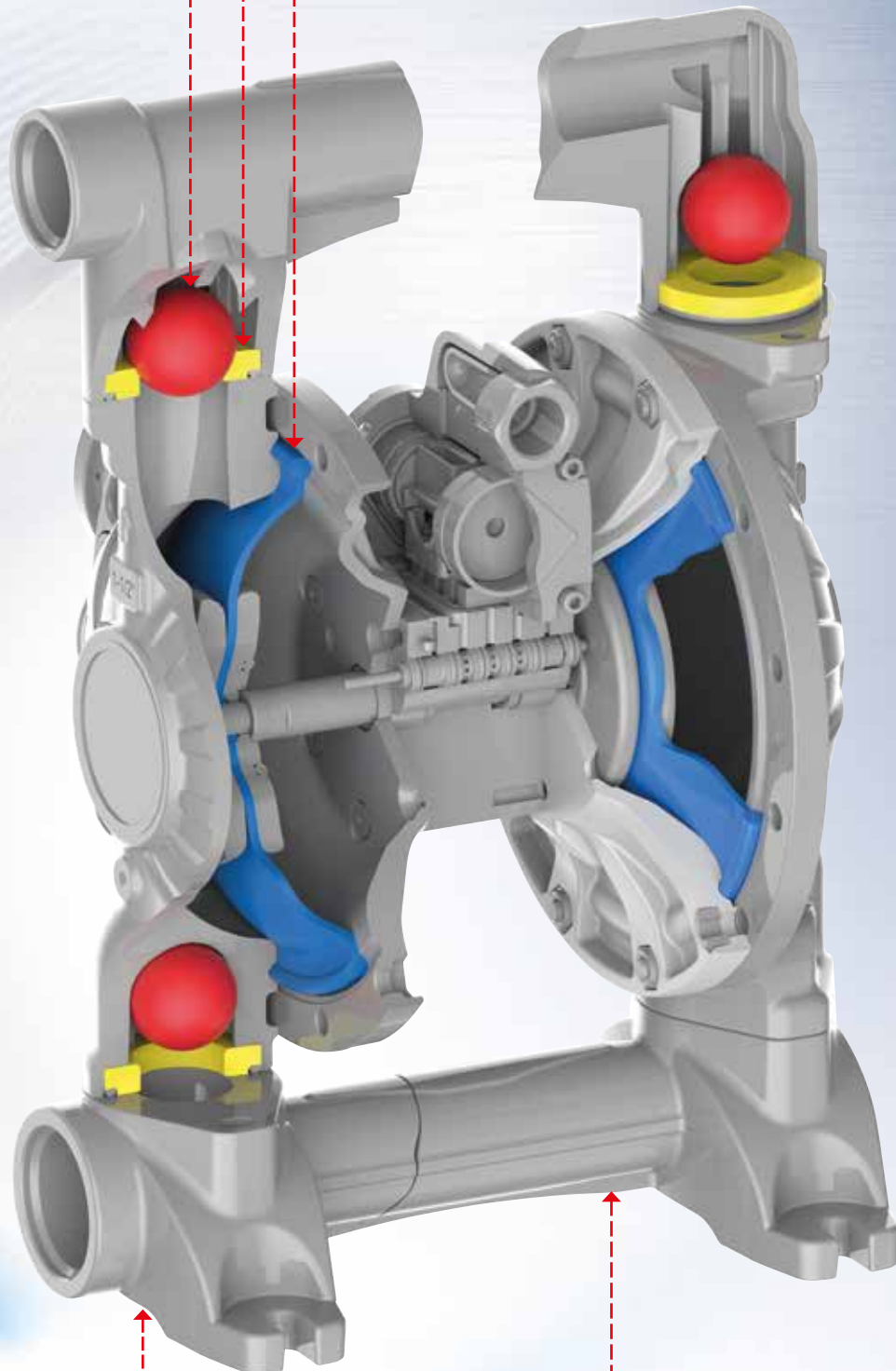


STRENGTH POINTS

- Wide range: 3 diaphragm pumps families are available: entirely in aluminum, entirely in polypropylene and, last one, aluminum engine with polypropylene manifolds version. Each one of these families presents pumps with different size to ensure the maximum compatibility with every working environments.
- Usable in explosive atmosphere: ATEX certification is available with the aluminum version and aluminum engine with polypropylene manifolds version.
- Compatibility with all the fluids: there are a lot of membranes, seats and balls to choose depending on the fluids pumped.
- High performance: diaphragm pumps are the result of many R&D years. They are tested one by one to ensure the best performance and efficiency.

TECHNICAL CHARACTERISTICS

BALLS, SEATS AND MEMBRANES:
are available in 5 different versions to satisfy every single working need.



Single or double inlet/outlet versions available.

Surface treated for a maximum life-time.



DIAPHRAGM PUMPS POLYPROPYLENE

MEMBRANES

1/2" - 65 l/min



1" - 145 l/min



1" - 145 l/min



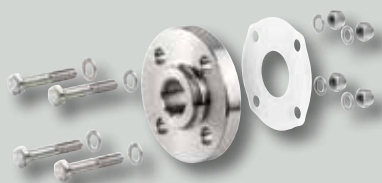
Series	120-PPB	1000-PPB	1000-PPB dual inlet
P/N	2A3/1677TT5	2A4/2677TTI	2A7/2677TTI
Ratio	1:1	1:1	1:1
Flow rate	65 l/min	145 l/min	145 l/min
Membranes	Teflon®+Hytrel®	Teflon®+Hytrel®	Teflon®+Hytrel®
Balls	Teflon®	Teflon®	Teflon®
Seats	Polypropylene and s. steel AISI 316	Polypropylene and s. steel AISI 316	Polypropylene and s. steel AISI 316
Max pressure	8 bar	8 bar	8 bar
Max cycles per minute	350 cpm	270 cpm	270 cpm
Litres per cycle	0,188 l	0,540 l	0,540 l
Max suction lift	dry column 4,5 m wet column 7,5 m	dry column 5 m wet column 7,5 m	dry column 5 m wet column 7,5 m
Max size pumpable solids	1,5 mm	3 mm	3 mm
Max working temperature	65° C	65° C	65° C
Noise level	76 dB	78 dB	78 dB
Max air consumption	0,89 m³/min	1,1 m³/min	1,1 m³/min
Air working pressure	2 - 6 bar	2 - 6 bar	2 - 6 bar
Air inlet connection	G 3/8" (f)	G 3/8" (f)	G 3/8" (f)
Air outlet connection (muffler)	G 3/4" (f)	G 3/4" (f)	G 3/4" (f)
Fluid inlet connection	G 3/4" (f) Regulations for flanged connections: ANSI 150 - DIN PN 10 - JIS 10K	flange 1" (25 mm) proneness to G 1.1/4" (f) thread	dual inlet flange 1" (25 mm) proneness to G 1.1/4" (f) thread
Fluid outlet connection	G 1/2" (f) Regulations for flanged connections: ANSI 150 - DIN PN 10 - JIS 10K	flange 1" (25 mm) proneness G 1.1/4" (f) thread	flange 1" (25 mm) proneness to G 1.1/4" (f) thread
Weight	5,5 Kg	8 Kg	8 Kg

* With PTFE membrane flow rate is 10% lower ** Displacement per cycle may be influenced by suction lift, fluid viscosity, air pressure, number of cycles per minute

*** The materials in contact with the fluid, and the fluid as well, can restrict the pump working temperature

ACCESSORY

(to be ordered separately)



P/N 32/95

Flange in stainless steel AISI 304 with G 1" (f) thread suitable for the plant connection.

Overall dimensions (mm)	Series	A	B	C	Packing L x P x H
	120-PPB	208	158	326	470 x 260 x 490
	1000-PPB	357	150	418	510 x 260 x 520
	1000-PPB d.i.	357	150	418	580 x 280 x 590
	120-AB	201	160	256	580 x 280 x 590
	1000-AB	280	200	352	580 x 280 x 590
	1140-AB	286	238	386	650 x 290 x 700



DIAPHRAGM PUMPS ALUMINUM



ATEX directive
II 2 GD

1/2" - 70 l/min



1" - 170 l/min



1.1/4" - 200 l/min



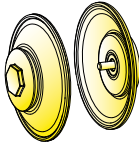
Series	120-AB	1000-AB multi-ported inlet/outlet	1140-AB
P/N	3C1/16111TTP	3C3/26111TTP	3C1/30111TTP
Ratio	1:1	1:1	1:1
Flow rate	70 l/min	170 l/min	200 l/min
Membranes *	Teflon®+Hytrel®	Teflon®+Hytrel®	Teflon®+Hytrel®
Balls	Teflon®	Teflon®	Teflon®
Seats	Polypropylene	Polypropylene	Polypropylene
Max pressure	8 bar	8 bar	8 bar
Max cycles per minute	400 cpm	300 cpm	260 cpm
Litres per cycle **	0,188 l	0,590 l	0,800 l
Max suction lift	dry column 4,5 m wet column 7,5 m	dry column 5 m wet column 7,5 m	dry column 5 m wet column 7,5 m
Max size pumpable solids	1,5 mm	3 mm	3 mm
Max working temperature ***	100° C	100° C	100° C
Noise level	75 dB	75 dB	75 dB
Max air consumption	0,80 m³/min	1,40 m³/min	1,80 m³/min
Air working pressure	2 - 6 bar	2 - 6 bar	2 - 6 bar
Air inlet connection	G 3/8" (f)	G 3/8" (f)	G 3/4" (f)
Air outlet connection (muffler)	G 1/2" (f)	G 1/2" (f)	G 1" (f)
Fluid inlet connection	G 3/4" (f)	4 X G 1" (f)	G 1.1/4" (f)
Fluid outlet connection	G 1/2" (f)	5 X G 1" (f)	G 1.1/4" (f)
Weight	6,5 Kg	13,5 Kg	15 Kg

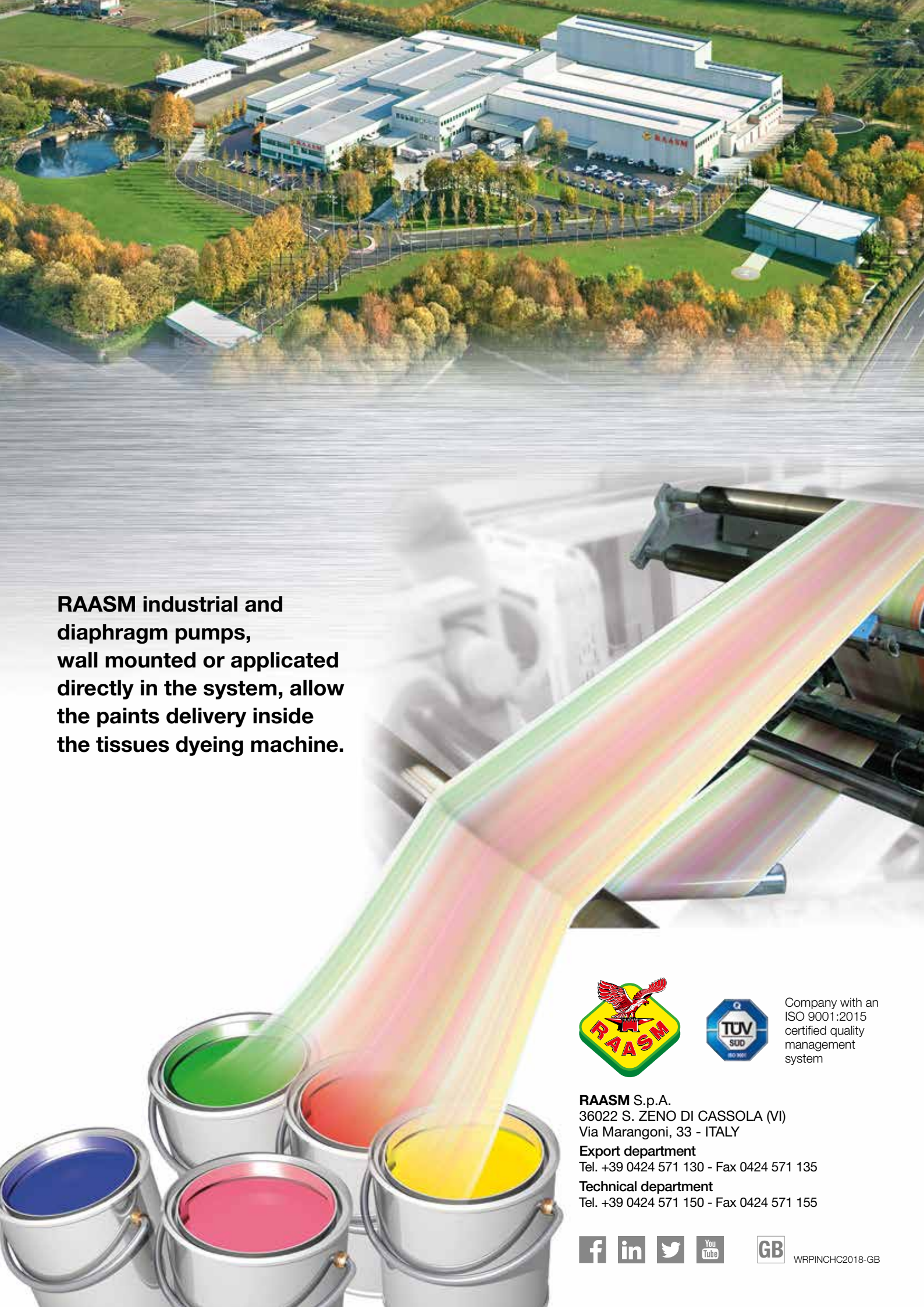
* With PTFE membrane flow rate is 10% lower ** Displacement per cycle may be influenced by suction lift, fluid viscosity, air pressure, number of cycles per minute

*** The materials in contact with the fluid, and the fluid as well, can restrict the pump working temperature

MEMBRANES, SEATS AND BALLS AVAILABLE

Check all the versions available in the diaphragm pumps general catalog No. 405-PM

	Membranes	Seats for pump 1/2"	Seats for pump 1"	Balls
				
POLYPROPYLENE PUMPS	Hytrel®	Polypropylene and AISI 316 st. steel	AISI 316 stainless steel	Hytrel®
	Santoprene™	Polypropylene and AISI 316 st. steel	AISI 316 stainless steel	Santoprene™
	EPDM	Polypropylene and AISI 316 st. steel	AISI 316 stainless steel	Acetalica
	NBR	Polypropylene and AISI 316 st. steel	AISI 316 stainless steel	Hytrel®
ALUMINUM PUMPS	Hytrel®	-	Hytrel®	Hytrel®
	Santoprene™	-	Santoprene™	Santoprene™
	EPDM	-	Acetalica	Acetalica
	NBR	-	Hytrel®	Hytrel®



RAASM industrial and diaphragm pumps, wall mounted or applicated directly in the system, allow the paints delivery inside the tissues dyeing machine.



Company with an
ISO 9001:2015
certified quality
management
system

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