



SaniForce™ Bin Unloader

Unloads viscous materials from the food, beverage and personal care industry out of your drum



Ensures product care, speeds up the process, allows easy maintenance and improves safety

- Up to 99% evacuation of medium to high viscosity materials
- Sanitary flange clamps for quick disassembly
- One size follower plate and seal to accommodate straight-sided and tapered drums
- Provided with safety lock and drum locators for increased efficiency and faster change of drums
- Control panel with automation options

PROVEN QUALITY. LEADING TECHNOLOGY.

Ordering Information

CONFIGURATOR SYSTEM IN 7 STEPS - EXAMPLE

Our offer is endless; therefore we made this easy configurator. Check the identification plate (ID) for the Configuration Number of your pump. **Sample Configuration Number: STU. A01AAA1AA0C21**

STU.	A	01	A	A	A	1	AA	0	C21
	1	2	3	3	4	5	6	6	7
SANITARY TOTE UNLOADER	FRAME STAINLESS STEEL	PUMP 5:1 DOUBLE BALL 2 PUMPS	PLATE SIZE 44.375 X 40.375 (PLYWOOD)	SEAL TYPE INFLATABLE	SEAL MATERIAL POLYCHLOROPRENE (WHITE)	CONTROLS MANUAL	ACCESSORIES BAG CLAMP KIT	WASH BIN NONE	CERTIFICATION EN 10204 TYPE 2.1

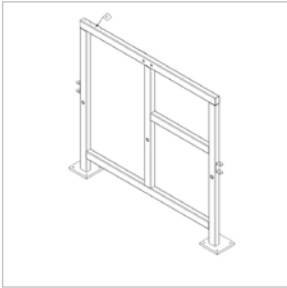
MATRIX TO DEFINE THE COMPONENTS OF YOUR SYSTEM - EXPLANATION

SANITARY TOTE UNLOADER	1		2		3		3		
		FRAME		PUMP		PLATE SIZE (BIN TYPE)		SEAL TYPE	
STU	A	STAINLESS STEEL, FOOTED	01	5:1 DOUBLE BALL 2 PUMPS	A	44.375 X 40.375 (PLYWOOD)	A	INFLATABLE	
	B	STAINLESS STEEL, EXTENDED LEGS	02	5:1 PRIMING PISTON 2 PUMPS	B	43.9 X 39.9 (BUCKHOLM 315)			
			03	12:1 PRIMING PISTON, 2 PUMPS	C	55.5 X 42 (GOODPACK)			
			04	5:1 DOUBLE BALL, 4 PUMPS	D	43.375 X 35.625 (TNT)			
			05	5:1 PRIMING PISTON, 4 PUMPS	E	43.5 X 40.375 (ARENA)			
			06	12:1 PRIMING PISTON, 4 PUMPS	F	41.32 X 38.9 (CEVA/PALLECON)			
			07	2150 HS BALL CHECK, 2 PUMPS	G	43.125 X 36.375 (SPACEKRAFT)			
			08	3150 HS FLAPPER CHECK, EO, AODD, 2 PUMPS					
			09	3150 HS FLAPPER CHECK, PO, AODD, 2 PUMPS					
			10	3150 HS FLAPPER CHECK, PS, AODD, 2 PUMPS					
			11	3150 HS FLAPPER CHECK, SP, AODD, 2 PUMPS					
	4		5		6		7		
	SEAL MATERIAL		CONTROLS		ACCESSORIES	WASH KIT	CERTIFICATION		
A	POLYCHLOROPRENE (WHITE)	1	ENCLOSED PNEUMATIC	AA	BAG CLAMP KIT	0	NONE	C21	EN 10204 TYPE 2.1
B	EPDM (BLACK)	2*	ELECTROPNEUMATIC	AB	ACEPTIC LINER CLAMP KIT	1	POLY TANK KIT	C31	EN 10204 TYPE 3.1

Note:
Some combinations are not possible. Please check with your local supplier
* Not ATEX. Not intended for use in explosive or hazardous environments.

Just follow the steps below to select your Tote Unloader.

1 CHOOSE YOUR RAM FRAME MATERIAL



A
SST FOOTED



B
SST EXTENDED LEGS

2 CHOOSE YOUR PUMP

SaniForce
Piston Pump

SaniForce
Double Diaphragm Pump



3 SELECT YOUR PLATE SIZE & SEAL TYPE

- A - PLYWOOD
- B - BUCKHORN 315
- C - GOODPACK
- D - TNT
- E - ARENA
- F - CHEP/PELLICON
- G - SPACEKRAFT

PLATE SIZE



SEAL TYPE

4 SELECT YOUR SEAL MATERIAL



A
POLYCHLOROPRENE (WHITE)



B
EPDM (BLACK)

5 SELECT YOUR CONTROLS



1
ENCLOSED PNEUMATIC



2
ELECTROPNEUMATIC

6 SELECT YOUR ACCESSORIES / WASH KIT



AA
BAG CLAMP KIT

AB
ACCEPTIC LINER CLAMP KIT

0
NONE

1
POLY TANK KIT

7 SELECT YOUR CERTIFICATION

C21
EN 10204 TYPE 2.1

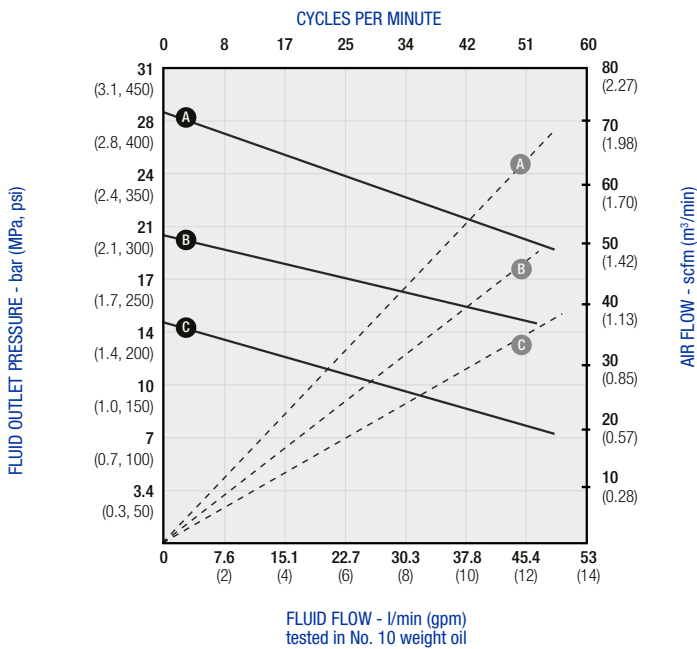
C31
EN 10204 TYPE 3.1

Performance Charts

Piston Pump Packages



SANIFORCE 5:1



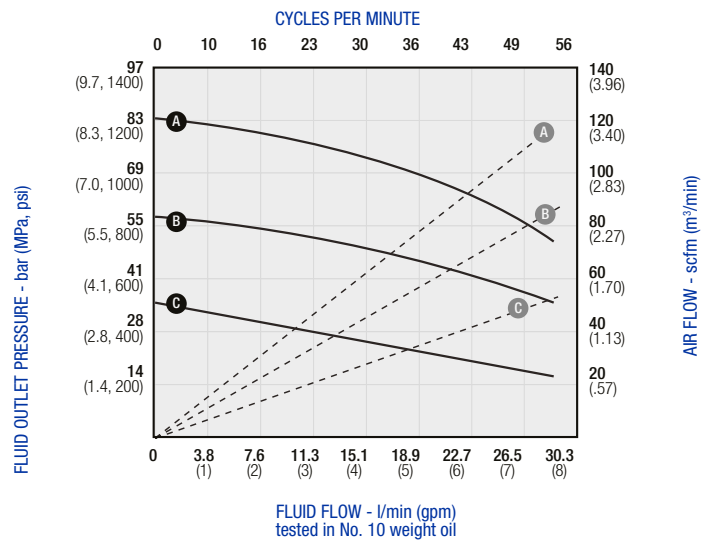
AIR PRESSURE

- A** = at 5.5 bar (0.55 MPa - 80 psi)
- B** = at 4.8 bar (0.48 MPa - 70 psi)
- C** = at 2.8 bar (0.3 MPa - 40 psi)

LEGEND

- Air Consumption - - - - -
- Fluid Flow _____

SANIFORCE 12:1



AIR PRESSURE

- A** = at 7 bar (0.7 MPa - 100 psi)
- B** = at 4.8 bar (0.48 MPa - 70 psi)
- C** = at 2.8 bar (0.3 MPa - 40 psi)

LEGEND

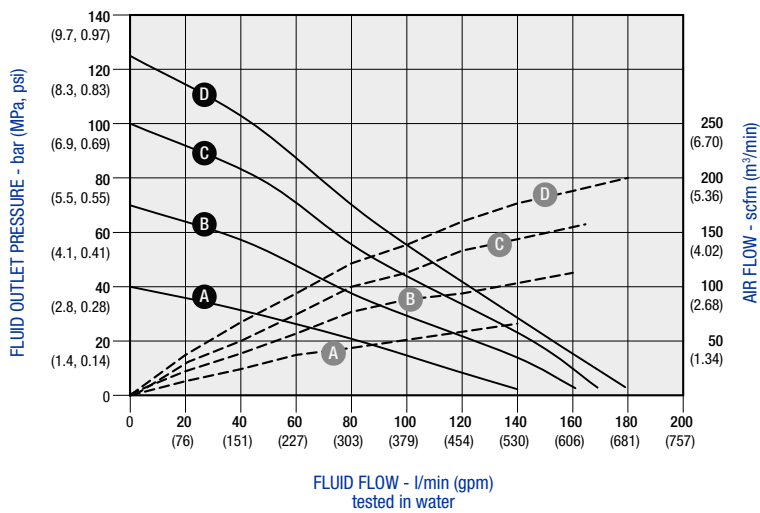
- Air Consumption - - - - -
- Fluid Flow _____

Performance Charts

Pump Packages



SANIFORCE 2150



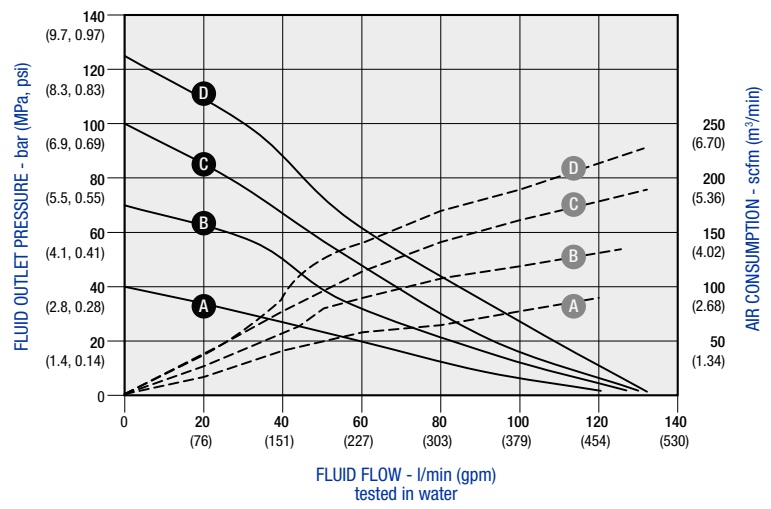
AIR PRESSURE

- A** = at 8.4 bar (0.84 MPa - 120 psi)
- B** = at 7 bar (0.7 MPa - 100 psi)
- C** = at 4.8 bar (0.48 MPa - 70 psi)
- D** = at 2.8 bar (0.3 MPa - 40 psi)

LEGEND

- Air Consumption - - - - -
- Fluid Flow _____

SANIFORCE 3150



AIR PRESSURE

- A** = at 8.4 bar (0.84 MPa - 120 psi)
- B** = at 7 bar (0.7 MPa - 100 psi)
- C** = at 4.8 bar (0.48 MPa - 70 psi)
- D** = at 2.8 bar (0.3 MPa - 40 psi)

LEGEND

- Air Consumption - - - - -
- Fluid Flow _____



Technical Specifications

STU model	SaniForce 5:1	SaniForce 12:1	SaniForce 2150	SaniForce 3150
	PISTON PUMP PACKAGES		PUMP PACKAGES	
Max Flow Rate	Up to 53 lpm (14 gpm)	Up to 32 lpm (8.5 gpm)	Up to 681 lpm (180 gpm)	Up to 492 lpm (130 gpm)
Ball: Flapper:			681 lpm -	- 492 lpm
Max Fluid Pressure	28 bar (2.8 MPa, 400 psi)	83 bar (8.3 MPa, 1204 psi)	8 bar (0.8 MPa, 120 psi)	8 bar (0.8 MPa, 120 psi)
Max Working Air Pressure	6.9 bar (0.7 MPa, 100 psi)		8 bar (0.8 MPa, 120 psi)	
Pump Style	Double ball or Priming Piston	Priming piston	Ball	Flapper
Controls	Manual or electronic	Manual or electronic	Manual or electronic	Manual or electronic
Viscosity Range	Up to 1.000.000 cps		Up to 100.000 cps	

**Actual performance may vary by application*





ABOUT GRACO

Founded in 1926, Graco is a world leader in fluid handling systems and components. Graco products move, measure, control, dispense and apply a wide range of fluids and viscous materials used in vehicle lubrication, commercial and industrial settings.

The company's success is based on its unwavering commitment to technical excellence, world-class manufacturing and unparalleled customer service. Working closely with qualified distributors, Graco offers systems, products and technology that set the quality standard in a wide range of fluid handling solutions. Graco provides equipment for spray finishing, protective coating, paint circulation, lubrication, and dispensing sealants and adhesives, along with power application equipment for the contractor industry. Graco's ongoing investment in fluid management and control will continue to provide innovative solutions to a diverse global market.

GRACO LOCATIONS

MAILING ADDRESS

P.O. Box 1441
Minneapolis, MN 55440-1441
Tel: 612-623-6000
Fax: 612-623-6777

AMERICAS

MINNESOTA

Worldwide Headquarters
Graco Inc.
88-11th Avenue N.E.
Minneapolis, MN 55413

EUROPE

BELGIUM

European Headquarters
Graco Distribution BV
Industrieterrein-Oude Bunders
Slakweidestraat 31
3630 Maasmechelen,
Belgium
Tel: 32 89 770 700
Fax: 32 89 770 777

ASIA PACIFIC

AUSTRALIA

Graco Australia Pty Ltd.
Suite 17, 2 Enterprise Drive
Bundoora, Victoria 3083
Australia
Tel: 61 3 9468 8500
Fax: 61 3 9468 8599

CHINA

Graco Hong Kong Ltd.
Shanghai Representative Office
Building 7
1029 Zhongshan Road South
Huangpu District
Shanghai 200011
The People's Republic of China
Tel: 86 21 649 50088
Fax: 86 21 649 50077

INDIA

Graco Hong Kong Ltd.
India Liaison Office
Room 432, Augusta Point
Regus Business Centre 53
Golf Course Road
Gurgaon, Haryana
India 122001
Tel: 91 124 435 4208
Fax: 91 124 435 4001

JAPAN

Graco K.K.
1-27-12 Hayabuchi
Tsuzuki-ku
Yokohama City, Japan 2240025
Tel: 81 45 593 7300
Fax: 81 45 593 7301

KOREA

Graco Korea Inc.
Shinhan Bank Building
4th Floor #1599
Gwanyang-Dong, Dongan-Ku,
Anyang-si, Korea 431-060
Tel: 82 31 476 9400
Fax: 82 31 476 9801

All written and visual data contained in this document are based on the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.

Graco is certified ISO 9001.



Europe
+32 89 770 700
FAX +32 89 770 777
WWW.GRACO.COM

©2019 Graco Distribution BV 300784ENEU Rev. A 12/19 Electronic version only.
All other brand names or marks are only used for identification purposes and are trademarks of their respective owners.
For more information on Graco's intellectual property, see www.graco.com/patent or www.graco.com/trademarks.