



# 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**

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

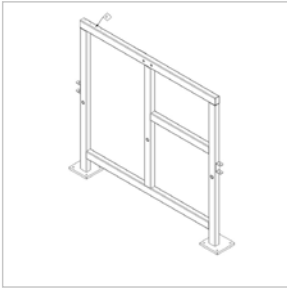
## MATRIX TO DEFINE THE COMPONENTS OF YOUR SYSTEM - EXPLANATION

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

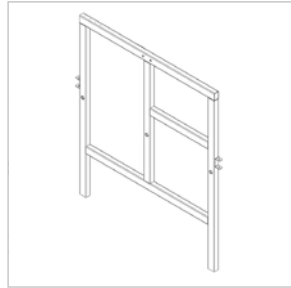
**Note:**  
Some combinations are not possible. Please check with your local supplier  
\* Not ATEX. Not intended for use in explosive or hazardous environments.

# 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

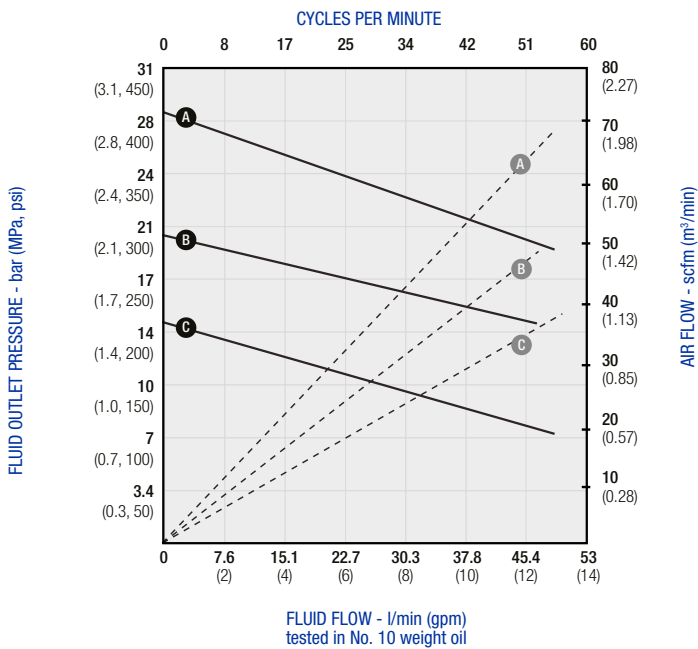
**C31**  
EN 10204 TYPE 3.1

# Performance Charts

## Piston Pump Packages



### SANIFORCE 5:1



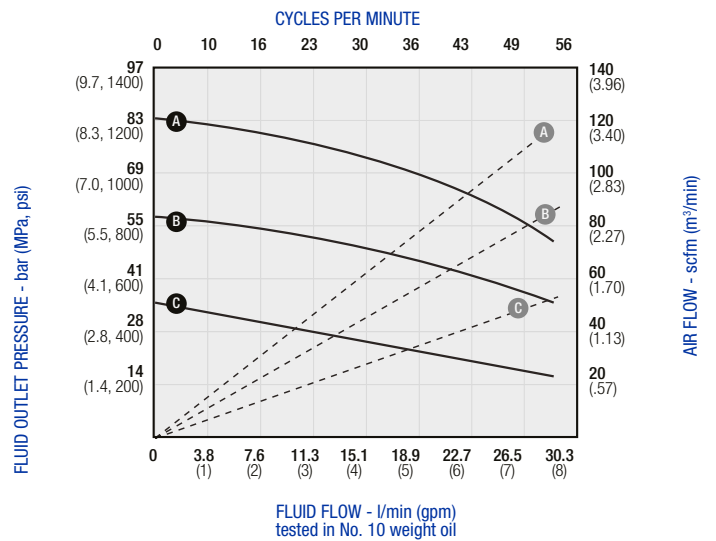
#### AIR PRESSURE

- 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

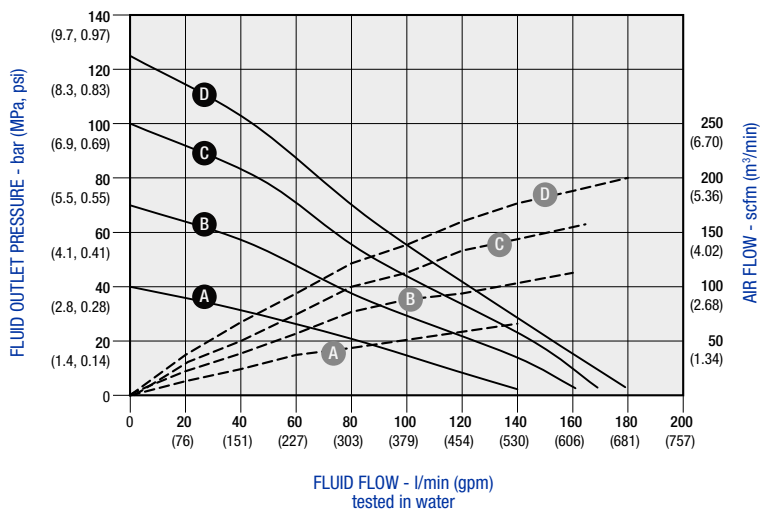
- Air Consumption - - - - -
- Fluid Flow \_\_\_\_\_

# Performance Charts

## Pump Packages



**SANIFORCE 2150**



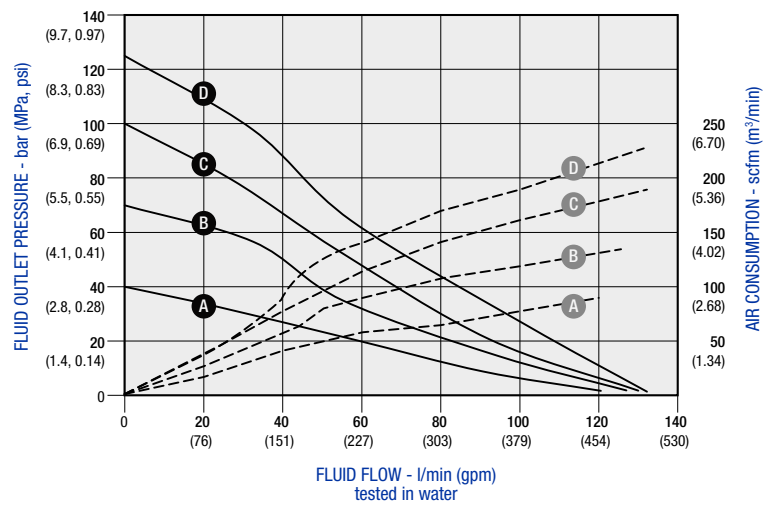
**AIR PRESSURE**

- 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

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Graco is certified ISO 9001.



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

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