



# SaniForce®

Drum Unloaders for the Sanitary Industry

WILLIAMS  
**WC**  
CARVER CO.



unleash the  
**POWER**

**Inflatable wiper seals for increased efficiency and faster change-out of containers**

- Over 99% evacuation rate
- Sanitary flange clamps for quick disassembly
- Liner guard to prevent bags from entering pump
- One size follower plate and seal to accommodate straight-sided and tapered drums

PROVEN QUALITY. LEADING TECHNOLOGY.

# Technical Specifications

## SANIFORCE 6:1 PISTON PUMP PACKAGES

	Double Ball Pump	Priming Piston
Max. fluid pressure	600 psi (41 bar, 4.1 MPa)	600 psi (41 bar, 4.1 MPa)
Max. flow @ 60 cpm*	4.0 gpm (15.1 lpm)	4.0 gpm (15.1 lpm)
Viscosity range of package	up to 75,000 cps	up to 125,000 cps
Max. inlet air pressure	100 psi (7 bar 0.7 MPa)	100 psi (7 bar 0.7 MPa)
Air inlet size (enclosed, exposed)	1/2 npt(f), 3/4 npt(f)	1/2 npt(f), 3/4 npt(f)
Evacuation efficiency	99%	99%
Instruction manual	3A0591	3A0591

## SANIFORCE 5:1 PISTON PUMP PACKAGES

	Double Ball Pump	Priming Piston
Max. fluid pressure	400 psi (28 bar 2.8 MPa)	400 psi (28 bar 2.8 MPa)
Max. flow @ 60 cpm*	14 gpm (53 lpm)	14 gpm (53 lpm)
Viscosity range of package	up to 200,000 cps	up to 750,000 cps
Max. inlet air pressure	80 psi (5 bar 0.5 MPa)	80 psi (5 bar 0.5 MPa)
Air inlet size (enclosed, exposed)	1/2 npt(f), 3/4 npt(f)	1/2 npt(f), 3/4 npt(f)
Evacuation efficiency	99%	99%
Instruction manual	3A0591	3A0591

## SANIFORCE 12:1 PISTON PUMP PACKAGE

	Priming Piston
Max. fluid pressure	1200 psi (83 bar, 8.3 MPa)
Max. flow @ 60 cpm*	8.5 gpm (32 lpm)
Viscosity range of package	up to 1,000,000 cps
Max. inlet air pressure	100 psi (7 bar, 0.7 MPa)
Air inlet size (enclosed, exposed)	1/2 npt(f), 3/4 npt(f)
Evacuation efficiency	99%
Instruction manual	3A0591

## SANIFORCE 3150 HS PUMP PACKAGE

	High Sanitation Double Diaphragm
Max. fluid pressure	120 psi (8.4 bar, 0.84 MPa)
Max. flow @ 60 cpm*	60 gpm (234 lpm)
Max. flow @ 100 cpm*	100 gpm (390 lpm)
Max. inlet air pressure	120 psi (8.4 bar, 0.84 MPa)
Air inlet size (enclosed, exposed)	1/2 npt(f), 3/4 npt(f)
Evacuation efficiency	99%
Instruction manual	3A0591

## SANIFORCE 2150 PUMP PACKAGE

	Double Diaphragm
Max. fluid pressure	120 psi (8.4 bar, 0.84 MPa)
Max. flow @ 60 cpm*	60 gpm (234 lpm)
Max. flow @ 100 cpm*	100 gpm (390 lpm)
Max. inlet air pressure	120 psi (8.4 bar, 0.84 MPa)
Air inlet size (enclosed, exposed)	1/2 npt(f), 3/4 npt(f)
Evacuation efficiency	99%
Instruction manual	3A0591

\* Flow rates based on full displacement of lower and S.G. = 1

# Ordering Information

## SANIFORCE 6:1 PISTON PUMP PACKAGES

Part No.	Pump No.	Pump Type	Ram Material	Ram Plate No.	Inflatable Seal No.	Control Type	Weight lb (kg)
24D776	24G739	Priming Piston	SST	16G240	16G242	Exposed	353 (160)
24D780	24G739	Priming Piston	CS**	16G240	16G242	Exposed	372 (169)
24D782	24G739	Priming Piston	SST	16G240	16G242	Enclosed SST	367 (166)
24D788	24G740	Double Ball	SST	16G240	16G242	Exposed	356 (161)
24D792	24G740	Double Ball	CS**	16G240	16G242	Exposed	375 (170)
24D794	24G740	Double Ball	SST	16G240	16G242	Enclosed SST	370 (168)

## SANIFORCE 5:1 PISTON PUMP PACKAGES

Part No.	Pump No.	Pump Type	Ram Material	Ram Plate No.	Inflatable Seal No.	Control Type	Weight lb (kg)
24D708	24G741	Priming Piston	SST	16G240	16G242	Exposed	413 (187)
24D712	24G741	Priming Piston	CS**	16G240	16G242	Exposed	433 (196)
24D714	24G741	Priming Piston	SST	16G240	16G242	Enclosed SST	428 (194)
24D720	24G742	Double Ball	SST	16G240	16G242	Exposed	417 (189)
24D724	24G742	Double Ball	CS**	16G240	16G242	Exposed	437 (198)
24D726	24G742	Double Ball	SST	16G240	16G242	Enclosed SST	432 (196)

## SANIFORCE 12:1 PISTON PUMP PACKAGE

Part No.	Pump No.	Pump Type	Ram Material	Ram Plate No.	Inflatable Seal No.	Control Type	Weight lb (kg)
24D647	24F625	Priming Piston	SST	16G240	16G242	Exposed	440 (200)
24D651	24F625	Priming Piston	CS**	16G240	16G242	Exposed	459 (208)
24D653	24F625	Priming Piston	SST	16G240	16G242	Enclosed SST	454 (206)
24F188*	24F626	Priming Piston	SST	16G240	16G242	Exposed	440 (200)
24F189*	24F626	Priming Piston	CS**	16G240	16G242	Exposed	459 (208)
24F190*	24F626	Priming Piston	SST	16G240	16G242	Enclosed SST	454 (206)

## SANIFORCE 3150 HS PUMP PACKAGE

Part No.	Pump No.	Pump Type	Ram Material	Ram Plate No.	Inflatable Seal No.	Control Type	Weight lb (kg)
24D922	24C124	Ball	SST	16G241	16G242	Exposed	428 (194)
24D926	24C124	Ball	CS**	16G241	16G242	Exposed	443 (201)
24D928	24C124	Ball	SST	16G241	16G242	Enclosed SST	442 (200)
24D932	24J388	Ball	CS**	16G241	16G242	Exposed	443 (201)
24D936	24J388	Ball	SST	16G241	16G242	Enclosed SST	442 (200)
24D940	24J388	Ball	SST	16G241	16G242	Exposed	428 (194)
24J364	24J389	Ball	SST	16G241	16G242	Exposed	428 (194)
24J365	24J389	Ball	CS	16G241	16G242	Exposed	443 (201)
24J366	24J389	Ball	SST	16G241	16G242	Enclosed SST	442 (200)
24D944	248274	Flapper	SST	16G241	16G242	Exposed	428 (194)
24D948	248274	Flapper	CS**	16G241	16G242	Exposed	443 (201)
24D952	248274	Flapper	SST	16G241	16G242	Enclosed SST	442 (200)

## SANIFORCE 2150 PUMP PACKAGE

Part No.	Pump No.	Pump Type	Ram Material	Ram Plate No.	Inflatable Seal No.	Control Type	Weight lb (kg)
24G542	24G743	Ball	SST	16G241	16G242	Exposed	450 (204)
24F191	24G743	Ball	CS**	16G241	16G242	Exposed	464 (210)
24G543	24G743	Ball	SST	16G241	16G242	Enclosed SST	464 (210)
24F192	24G744	Ball	SST	16G241	16G242	Exposed	450 (204)
24F193	24G744	Ball	CS**	16G241	16G242	Exposed	464 (210)
24F194	24G744	Ball	SST	16G241	16G242	Enclosed SST	464 (210)

\*\*CS = Painted carbon steel

\*For use with viscous materials



**The Williams - Carver Co., Inc.**

4001 Mission Road  
 Kansas City, Kansas 66103  
 (913) 236-4949 FAX (913) 236-9331  
 www.williams-carver.com