

GRACO[®] SUPPLY SYSTEMS

Sealant and Adhesive Supply Systems



M O V I N G M A T E R I A L S T H A T M A T T E R [™]

IMPROVE YOUR PRODUCTIVITY WITH GRACO SUPPLY SYSTEMS

DESIGNED TO REDUCE YOUR COST OF OWNERSHIP



DISCOVER THE NEXT GENERATION OF BULK SUPPLY SYSTEMS

Graco Supply Systems reliably deliver one component (1K) sealants, adhesives and other medium to high viscosity materials from pails or drums to metering and dispensing systems. Designed with innovative features plus advanced pump and air motor technologies, Graco Supply Systems help maximize your plant's production capacity.

Easy to Service

- Smart design and simple features reduce time spent on maintenance

Merkur™ Air Motor

Next-generation Graco air motors:

- Long-lasting and durable
- Modular air valve eliminates stalling

Optional Gravity Lock Kit

- Used to lock the supply system in the fully raised position
- Prevents platen from being lowered when changing drums or performing service
- Reduces risk of crushing injury from unintended lowering of the Ram
- Available as an optional accessory kit that may be installed on site

Check-Mate® or Dura-Flo™ Pump

- Cartridge design makes packings easy to replace

Integrated Drum Air Blow-Off

- Reduces downtime with quick, easy drum changes



DataTrak™ and Tandem Control

Improve productivity by operating two supply systems in tandem

- Tracks material usage and flow
- Provides pump runaway protection

Integrated Air Controls

- Conveniently located – easy to see, easy to use

Optional Two-Hand Interlock

- The Two-Hand Interlock Air Control Accessory requires the operator to use both hands to lower the Ram while the platen is entering the pail or drum, preventing hands from being near moving components
- Reduces risk to the operator of hand and limb injury from moving components
- Available as an optional accessory kit that may be installed on site

Platen Design

- Minimizes leftover material and reduces waste
- Long-lasting, one-piece platen seals are easy to replace

Forklift Channels and Conveyor Kit

- Forklift channels make the RAM package more portable
- No chains required for customers to efficiently maneuver it in the factory
- Simplifies loading and unloading drums when changing materials or replacing empty ones

GRACO D200 SUPPLY SYSTEM

MINIMIZE MAINTENANCE AND STREAMLINE OPERATIONS

Because Graco Supply Systems are engineered and built with high-quality parts, they reduce maintenance time, maximize uptime and extend equipment life.

Reduce your cost of ownership:

- Optional ELITE™ coatings and seals triple the life of the standard offering. ELITE CONSTRUCTION™ further extends service life when handling highly abrasive material
- Durable Merkur™ Air Motor lasts ten times longer than its predecessor
- Common and shared parts throughout rams and air motors provide low carrying costs, even when multiple configurations are used within a plant
- Electric tandem systems significantly reduce downtime with advanced monitoring and control systems

Easy to use features:

- Quick placement of drum or pail
- Integrated air controls offer easy-to-see, easy-to-use controls
- Intuitive user interface
- Platen wipers can be replaced in seconds
- Pump's quick-disconnect coupler, turnbuckle mount and pump cartridge packings let you service the pump without removing it from the ram
- Optional sensors and light tower let operator know when it's time to change the drum
- Optional electric tandem filter monitoring and electric depressurization allow complete control over the tandem system

A complete line of Graco Supply Systems:



S20

For low-volume in-plant applications of medium to high-viscosity materials. May be used as a feed package in more complex systems.



D60

For medium to high-viscosity materials. Provides higher down-force and larger pail capacity than the S20.



D200

For high-volume in-plant applications of medium to high-viscosity materials.



D200s

For heavy-duty, high-volume applications of high-viscosity materials. Larger 6.5-in ram posts provide more down-force for difficult-to-move materials.

ADVANCED CONTROLS REDEFINE THE STANDARD

RELIABLE. EASY TO USE. EASY TO SERVICE.



ADVANCED, INTUITIVE CONTROLS

The electronic controls on Graco Supply Systems help you monitor and manage critical factors through an easy-to-use interface.

DATATRAK AND TANDEM DISPLAY MODULE. IMPROVED EFFICIENCY AND CONTROL.

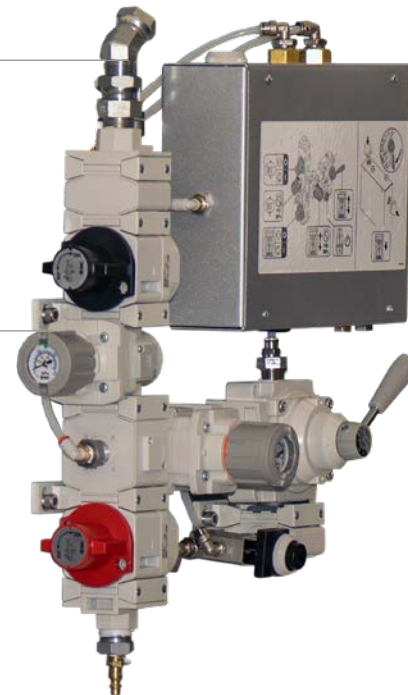
The Tandem Display Module allows you to configure your supply systems to operate in tandem for better productivity and improved uptime.

- Automatic electric crossover eliminates downtime – you get double the material volume before you need to change drums or pails
- Easy user interface puts the operator in total control
- Only one Tandem Display Module needed for two systems
- Providing pump diagnostics, indicating when it's time for routine maintenance
- Providing pump runaway protection by monitoring pump speed and automatically shutting off the pump
- Tracking and displaying material usage and volumetric flow, telling you how much material is left in the drum.



INTEGRATED AIR CONTROLS

- Modular design
- One convenient, easy-to-use location
- One-touch blow-off provides easy drum replacement
- Optional two-button interlock.



OPTIONAL TWO-HAND INTERLOCK

- The Two-Hand Interlock Air Control Accessory requires the operator to use both hands to lower the Ram while the platen is entering the pail or drum, preventing hands from being near moving components
- Reduces risk to the operator of hand and limb injury from moving components
- Available as an optional accessory kit that may be installed on site

OPTIONAL GRAVITY LOCK KIT

- Used to lock the supply system in the fully raised position
- Prevents platen from being lowered when changing drums or performing service
- Reduces risk of crushing injury from unintended lowering of the Ram
- Available as an optional accessory kit that may be installed on site

CHECK-MATE PUMP – FOR MEDIUM TO HIGH-VISCOSITY MATERIALS

Xtreme Coupler

- Quick-disconnect coupler for easy maintenance

Optional Enclosed Wet Cup

- Prevents seal contamination and allows recirculation
- Reduces maintenance and extends seal life

Cartridge Throat Packings

- Allows for easy servicing without removing from ram

Replaceable Outlet Fitting

- Reduces repair costs

Cast Outlet and Inlet Housing

- Improves structural integrity

Piston Valve with Floating Piston Seal

- For maximum pressure balance over a range of material viscosities

Replaceable Seat

- Replaceable Seat

Floating Priming Plate

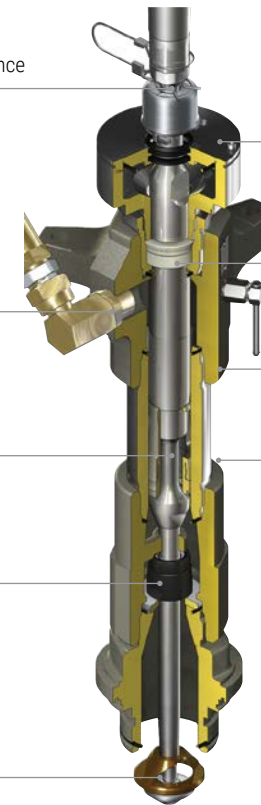
- Provides uniform flow



Hard Part Coatings

- Standard Severe Duty coating on rods and cylinder maximizes wear life
- Check-Mate Pumps with ELITE™ construction withstand the most abrasive thermal interface materials (TIMs), silicones, urethanes, and epoxies. With wear-resistant seals and surfaces, Elite Check-Mate Pumps can last 170 times longer than standard pump construction.*

*Data verified when pumping representative thermal interface material (TIM) in Graco test environment



DURA-FLO PUMP – FOR LOW TO MEDIUM-VISCOSITY MATERIALS

Quick-Disconnect Coupler

- Reduces maintenance time

Manually Adjustable Wet Cup

- Extends packing life by tightening packing nut

Stainless Steel Chrome Rod

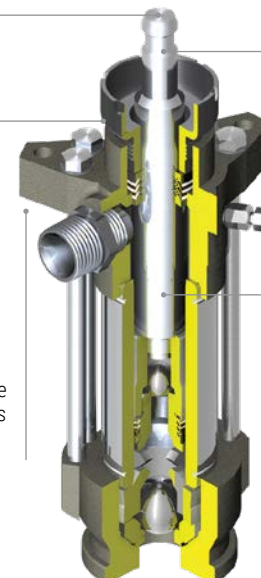
- Process provides over three times the life of chrome SST rods

High-Volume Piston

- Improves flow for higher viscosity coatings

Cartridge Packings

- Easily removable cartridge holds packings and allows for quick repairs



PLATEN AND WIPER OPTIONS

POWERED BY GRACO TECHNOLOGY



A MODULAR APPROACH GIVES YOU ADDED FLEXIBILITY

Graco platens are designed with a modular approach. You can easily interchange platen components if you need to switch pail sizes or materials. Choose flat or dual flat wipers for 20, 30 or 60-liter pail sizes or o-ring wiper style for 200-liter drums.

PLATEN ORDERING OPTIONS

ASSEMBLED PLATENS (SINGLE WIPER)

Part Number	Description
257727	5-gal (20 l) Nitrile
257728	5-gal (20 l) Polyurethane
257729	5-gal (20 l) PTFE
257732	7-gal (30 l) Nitrile
257733	7-gal (30 l) Polyurethane
257734	7-gal (30 l) PTFE
257737	16-gal (60 l) Nitrile
257740	16-gal (60 l) Polyurethane
257738	16-gal (60 l) PTFE

REPLACEMENT KITS (SINGLE WIPER)

Part Number	Description
257639	5-gal (20 l) Nitrile
257640	5-gal (20 l) Polyurethane
257641	5-gal (20 l) PTFE
257644	7-gal (30 l) Nitrile
257645	7-gal (30 l) Polyurethane
257646	7-gal (30 l) PTFE
257649	16-gal (60 l) Nitrile
257650	16-gal (60 l) Polyurethane
257651	16-gal (60 l) PTFE

ASSEMBLED PLATENS (DUAL WIPER)

Part Number	Description
257730	5-gal (20 l) Nitrile
257731	5-gal (20 l) Polyurethane
257735	7-gal (30 l) Nitrile
257736	7-gal (30 l) Polyurethane
257739	16-gal (60 l) Nitrile
257741	16-gal (60 l) Polyurethane
255421	30-gal EPDM
255664	55-gal (200 l) Neoprene
255663	55-gal (200 l) EPDM
255662	55-gal (200 l) EPDM with PTFE-coated platen

REPLACEMENT KITS (DUAL WIPER)

Part Number	Description
257642	5-gal (20 l) Nitrile
257643	5-gal (20 l) Polyurethane
257647	7-gal (30 l) Nitrile
257648	7-gal (30 l) Polyurethane
257652	16-gal (60 l) Nitrile
257653	16-gal (60 l) Polyurethane
255654	30-gal EPDM
255652	55-gal (200 l) Neoprene
255653	55-gal (200 l) EPDM
255653	55-gal (200 l) EPDM with PTFE-coated platen



PLATEN WITH FLAT SINGLE WIPER

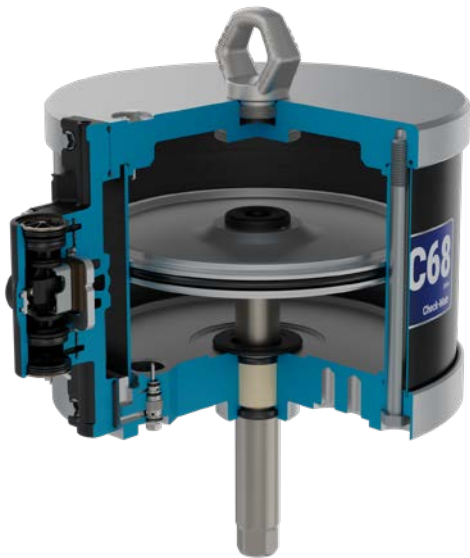


PLATEN WITH FLAT DUAL WIPER

MERKUR™ AIR MOTOR

The Merkur Air Motor sets a higher standard for long-lasting durability. Maximize your process efficiencies when you choose between our offerings of small to large air motors designed to fit your production needs.

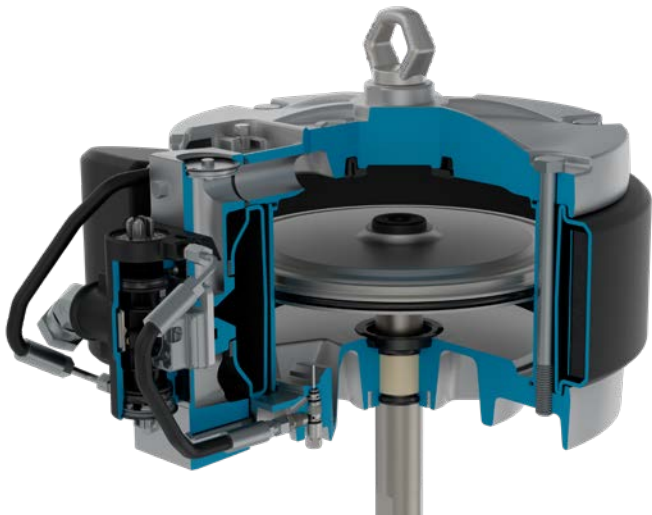
- Reduce downtime with easy-to-service external valve
- Reduce energy costs with low air consumption
- Low noise which supports environmental initiatives



XL 10000™ AIR MOTOR

The XL 10000 is designed for high-production facilities where durability is a must. With a 13-inch diameter motor, sharp changeovers and low pulsation, the XL 10000 ideal for jobs that require high power to maximize production capacity.

- Reduce downtime with exposed poppets and air valve which allows for easy service and troubleshooting
- Reduce your cost of ownership with fewer components and a simple design



SELECTING THE RIGHT GRACO SUPPLY SYSTEM

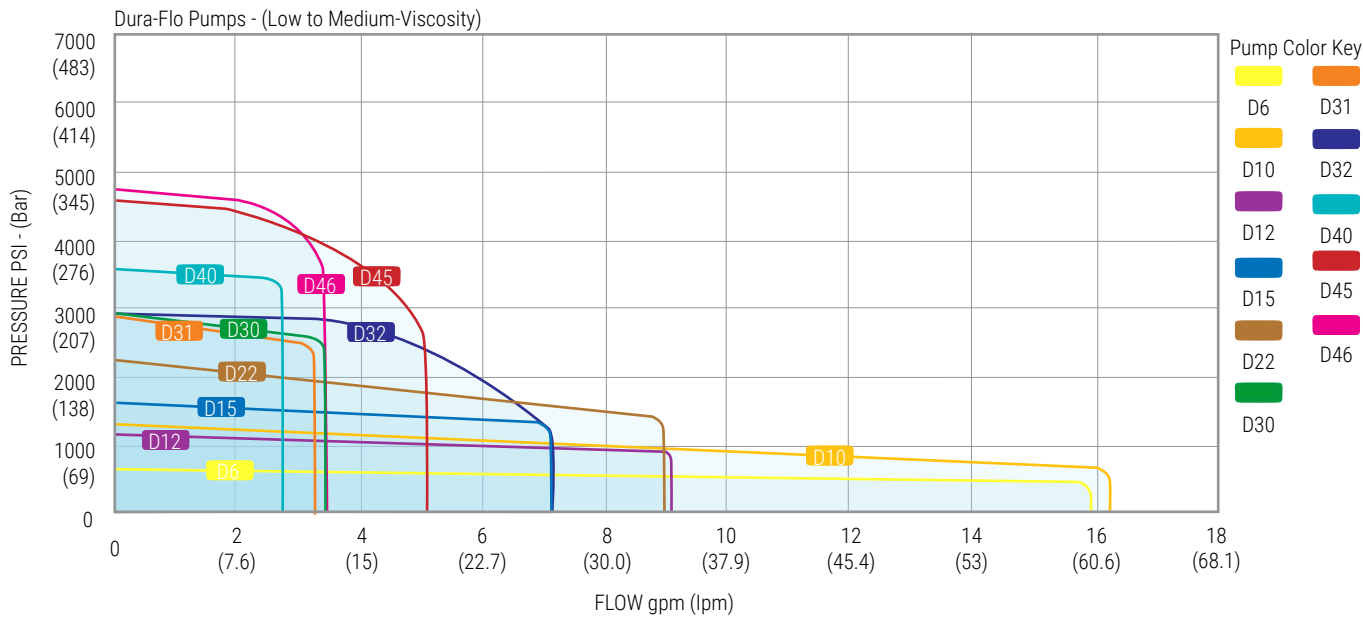
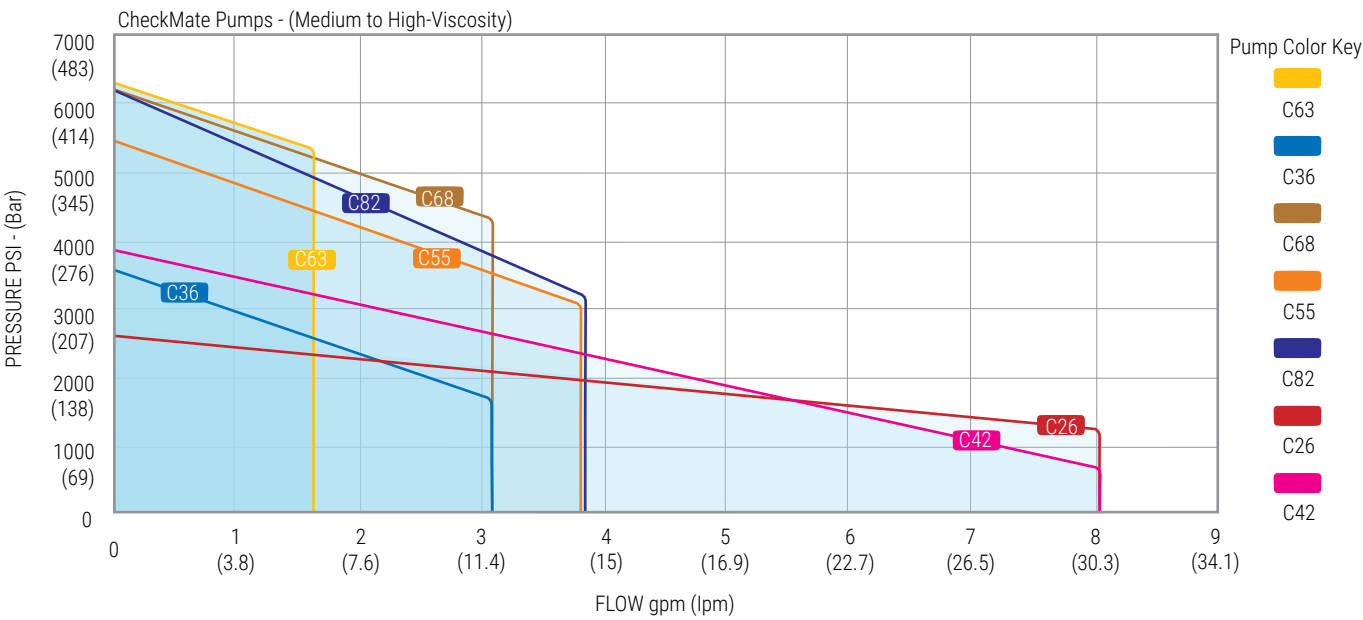
COMPONENTS OF THE GRACO SUPPLY SYSTEM



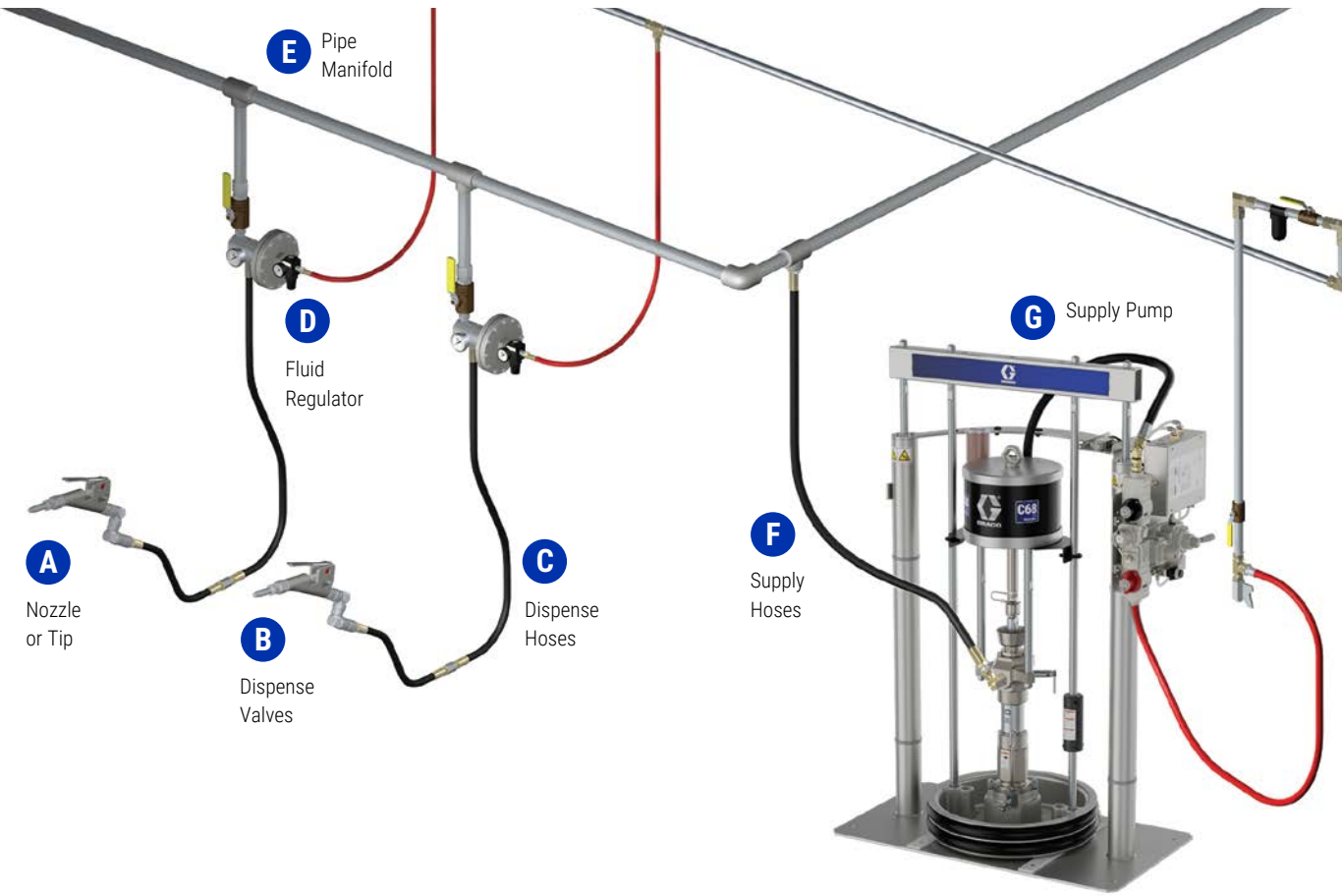
HOW TO CHOOSE THE RIGHT PUMP FOR YOUR MATERIAL

Use these charts to select the pump that's right for your material

- 1) Select your required outlet pressure
- 2) Select your flow rate
- 3) Choose a Graco Supply System based on where these points intersect



GRACO D200 SUPPLY SYSTEM



	A	B	C	D	E	F	G
Major Components	Nozzle or Tip	Dispense Valves	Dispense Hoses	Fluid Regulators	Pipe Manifold	Supply Hoses	Supply Pumps
Selection Factors	Size, shape and type of fluid flow pattern	- Usage: - manual - automatic - robotic - shot - Pressure - Volume	- Viscosity - Volume - Length - Pressure - Flexibility - Chemical compatability	- Viscosity - Volume - Pressure - Chemical compatability	- Volume - Location - Pressure - Drops - Chemical compatability	- Viscosity - Volume - Length - Pressure - Chemical compatability	- Container size - Volume - Viscosity - Pump Location - Chemical compatability
Equipment Options	- Nozzle - Tips - Extensions - Brushes	- Mechanical gun - Pneumatic gun - Nozzle - Extrusion - Spray - Length - Orifice	- Steel, SST - Pipe JIC - Flexible hoses - PTFE - Buna - Nylon - Moisture-Lok	- Mastic regulator - Pressure compensating valve	- Steel - SST - Pipe - Tubing - Sizes	- Steel, SST - Pipe JIC - Flexible hoses - PTFE - Buna - Nylon - Moisture-Lok	- Priming piston - Boule ball - Ram mount - Single or dual wipers - Drum empty options - Auto crossover

RAM OFFERINGS



CHECK-MATE RAM SYSTEMS

Pump Ratio		Pump Construction				Lower Size								
	Air Motor	LCS	LSS	LSM	Elite	60	100	200	250	500	S20	D60	D200	D200s
20:1	700	x				x							x	
20:1	700		x			x							x	
20:1	700			x		x							x	
20:1	700	x				x					x			
20:1	700		x			x					x			
20:1	700			x		x					x			
23:1	2200				x			x				x		
23:1	2200	x						x						x
23:1	2200		x					x						x
23:1	2200				x			x					x	
26:1	6500	x								x			x	
26:1	6500	x								x				x
26:1	6500		x							x			x	
26:1	6500				x					x			x	
29:1	3400				x				x			x		
29:1	3400				x				x				x	
36:1	3400	x						x					x	
36:1	3400	x						x						x
36:1	3400		x					x					x	
36:1	3400		x					x						x
36:1	3400				x			x					x	
36:1	3400				x			x						x
36:1	3400	x						x				x		
36:1	3400	x						x				x		
36:1	3400		x					x				x		
36:1	3400				x			x				x		
36:1	3400				x			x				x		
40:1	2200	x					x				x			
40:1	2200	x					x					x		
40:1	2200	x					x	x					x	
40:1	2200	x					x							x
40:1	2200				x		x						x	
42:1	10000	x								x				x
42:1	10000		x							x				x
42:1	10000				x					x				x

Controls	Platen				Platen seal and construction			
2-Button	20I	30I	60I	200I	CS Nitrile	SST PTFE	AL EPDM	AL Neoprene
x				x			RCM8A69	RCM8A6A
x				x			RCM7C69	RCM7C6A
x				x			RCM7F69	
x	x				RCM7AKB			
x	x					RCM7CKF		
x	x					RCM7FKF		
x	x				RCM2E4C	RCM2E4H	RCM2169	
x				x			RCM2189	
x				x			RCM2589	
x				x			RCM2E69	
x				x			RCM5969	RCM596A
x				x			RCM5989	
x				x			RCM5F69	RCM5F6A
x				x			RCM5F89	
x				x			RCM5K69	
x	x				RCM3KYB			
x				x			RCM3K69	
x				x			RCM2969	RCM296A
x				x			RCM2989	
x				x			RCM2F69	
x				x			RCM2F89	
x				x			RCM2D69	
x				x			RCM2D89	RCM2D8A
x	x				RCM29YB			
x		x			RCM294J			
x	x					RCM2FYF		
x		x			RCM2D4J			
x	x				RCM2DYB			
x	x				RCM11KB	RCM11KF		
x	x				RCM11YB	RCM11YF		
x							RCM1169	
x							RCM1189	
x							RCM1D69	
x				x			RCM5L89	
x				x			RCM5R89	RCM5R8A
x				x			RCM5N89	

RAM OFFERINGS



CHECK-MATE RAM SYSTEMS

Pump Ratio	Pump Construction					Lower Size								
	Air Motor	LCS	LSS	LSM	Elite	60	100	200	250	500	S20	D60	D200	D200s
55:1	6500	x							x				x	
55:1	6500	x							x					x
55:1	6500		x						x				x	
55:1	6500		x						x					x
55:1	6500				x				x				x	
55:1	6500	x							x					x
55:1	6500	x							x			x		
55:1	6500		x						x			x		
55:1	6500				x				x			x		
61:1	1800	x				x							x	
61:1	1800		x			x							x	
61:1	1800			x		x							x	
61:1	1800	x				x					x			
61:1	1800		x			x					x			
61:1	1800			x		x					x			
63:1	3400	x					x						x	
63:1	3400	x					x							x
63:1	3400				x		x						x	
63:1	3400		x				x						x	
63:1	3400				x		x							x
63:1	3400				x		x				x			
63:1	3400	x					x					x		
63:1	3400	x					x					x		
63:1	3400		x				x				x			
63:1	3400				x		x				x			
63:1	3400		x				x					x		
63:1	3400	x					x							
63:1	3400				x		x				x			
68:1	6500	x						x					x	
68:1	6500	x						x						x
68:1	6500		x					x					x	
68:1	6500		x					x						x
68:1	6500				x			x					x	
68:1	6500				x			x						x
68:1	6500	x						x				x		
68:1	6500		x					x				x		
68:1	6500		x					x				x		
85:1	10000	x							x					x
85:1	10000								x					x
No Pump													x	
No Pump														x

Controls	Platen					Platen seal and construction			
	2-Button	20I	30I	60I	200I	CS Nitrile	SST PTFE	AL EPDM	AL Neoprene
x					x			RCM3969	RCM396A
x					x			RCM3989	RCM398A
x					x			RCM3F69	
x					x				RCM3F8A
x					x			RCM3D69	RCM3D6A
x					x			RCM3G89	
x	x					RCM39YB			
x	x						RCM3FYF		
x	x						RCM3DYF		
x					x			RCM9A69	RCM9A6A
x					x			RCM9C69	RCM9C6A
x					x			RCM9F69	RCM9F6A
x	x					RCM9AKB			
x	x						RCM9CKF		
x	x						RCM9FKF		
x					x			RCM1569	RCM156A
x					x			RCM1589	RCM158A
x					x			RCM1E69	RCM1E6A
x					x			RCM1T69	RCM1T6A
x					x			RCM1E89	RCM1E8A
x	x					RCM1EKB			
x	x					RCM15KB			
x	x					RCM15YB	RCM15YF		
x	x					RCM1EYB			
x			x			RCM154J			
x				x		RCM154S			
x	x						RCM1TKF		
x	x						RCM1TYF		
x	x						RCM1EKF		
x					x			RCM2L69	RCM2L6A
x					x			RCM2L89	RCM2L8A
x					x			RCM2T69	
x					x			RCM2T89	
x					x			RCM2K69	
x					x			RCM2K89	
x	x					RCM2LYB			
x	x						RCM2TYF		
x	x						RCM2UYF		
x					x			RCM3L89	
x					x			RCM3S89	
x					x			RCMNN69	RCMNN6A
x					x			RCMNN89	

RAM OFFERINGS



DURA-FLO RAMS

Pump Ratio	Pump Construction				Lower Size						Ram Size					
	LCS	LSS	LSM	Elite	145	180	220	430	580	1000	L20c	S20c	S20	D60	D200	D200s
10:1	x									x					x	
12:1		x							x						x	
22:1			x						x						x	
23:1	x								x						x	
31:1		x			x									x		
31:1		x			x										x	
31:1		x			x										x	
32:1			x					x						x		
47:1		x						x								x
47:1			x					x								x
57:1		x					x								x	

Controls	Platen					Tandem	Platen seal and construction			
2-Button	20l	30l	60l	110l	200l		CS Nitrile	SST PTFE	AL EPDM	AL Neoprene
x					x				RGDG969	
x					x				RGDF569	
x					x				RGDFG69	
x					x				RGDF969	
x	x							RGDA1YF		
x					x				RGDA168	
x					x				RGDA169	
x	x							RGDEGYF		
x					x				RGDEL89	
x					x				RGDEM78	
x					x				RGDCA69	

ORDERING INFORMATION



ACCESSORIES

COMMON ACCESSORIES

C59518	Pump Outlet Check Valve Kit (includes elbow, check valve, and union)
222780	Floor Stand
C59547	High Pressure Filter (includes 6000 psi, 30 mesh filter and two pressure gauges)
C07063	Ball Valve - 3/4-in npt, 4500 psi
C07048	Ball Valve - 1/2-in npt, 5800 psi
223689	Plastic Shield - 20L (10-pack)
222792	Plastic Shield - 200L (10-pack)
257618	KIT, CART, S20
2013532	S20 2-Hand Interlock Kit
2013671	D200, D200s 2-Hand Interlock Kit
2013531	D60 2-Hand Interlock Kit

OUTLET CHECK KITS

257377	Used on stainless steel Check-Mate 60 and 100 Displacement Pumps
255452	Used on carbon steel Check-Mate 100 Displacement Pumps
255453	Used on carbon steel Check-Mate 200 and 250 Displacement Pumps
255454	Used on stainless steel Check-Mate 200 and 250 Displacement Pumps
255455	Used on carbon steel Check-Mate 500 Displacement Pumps
255456	Used on stainless steel Check-Mate 500 Displacement Pumps

D200 SERIES ACCESSORIES

2015938	Drum Stop Kit	206537	Heavy-duty Clamp Kit (D200)
2015939	KIT,REPAIR, DRUM SKID, D200, D200S RAMS	255691	55 gal Platen Cover
2013118	KIT,CONVEYOR, D200 AND D200S RAMS	222792	55-gallon Plate Shield (Package of 10)
C32463	Saddle Clamps (D200s only)	223689	5-gallon Plate Shield (Package of 10)
918395	Heavy-Duty Drum Clamp Kit (D200s only)	2013360	D200 Ram Lock Kit
918397	Clamshell Drum Holder Kit (D200s only)	2012602	D200s Ram Lock Kit

DATATRAK AND ELECTRIC TANDEM ACCESSORIES

2012377	Electric Tandem/DataTrak Primary Kit
2013672	Electric Tandem/DataTrak Secondary Kit
2013434	Pneumatic Tandem Kit
2016226	Low/empty Sensor Kit - D60, D200, D200s
255468	Tandem Light Tower Kit
255457	Tandem Depressurization Kit
255458	Tandem Depressurization Kit - Stainless
121226	CAN cable (0.4 m)
121227	CAN cable (0.6 m)
121228	CAN cable (15 m)
2015250	D200s with XL10000 2-hand Interlock kit
247504	Fluid Filter Kit for crossover

Reference manual X039890 for system configurations and part numbers

CHECK-MATE AND DURA-FLO LOWERS

CHECK-MATE LOWERS

			Available Seal Kits						
Part Number	Lower Material	Coating	Enclosed Wet Cup	Throat	Piston	Intake	Complete	PTFE Complete	Enclosed Wet Cup Kit
L060CS	Carbon Steel	Severe Duty	None	255523	255533	255539	255507	255507	255696
L060SS	Stainless Steel	Severe Duty	None	255523	255533	256865	256866	None	255559
L060SM	Stainless Steel	MaxLife	255618	257558	255533	256868	256867	None	255559
L100SS	Stainless Steel	Severe Duty	None	255523	255533	256865	256866	None	255559
L100CS	Carbon Steel	Severe Duty	None	255523	255533	255539	255507	255692	255696
L100CE	Carbon Steel	Elite	None	26B925	26B925	26B926	26B926	None	None
L200SS	Stainless Steel	Severe Duty	None	255526	255535	255542	255511	255693	255700
L200CE	Carbon Steel	Elite	None	26B932	26B932	26B933	26B933	None	None
L200CS	Carbon Steel	Severe Duty	None	255525	255534	255541	255509	255693	255697
L250SS	Stainless Steel	Severe Duty	None	255529	255537	255545	255515	255694	255701
L250CE	Carbon Steel	Elite	None	2006447	2006448	2006503	None	None	None
L250CS	Carbon Steel	Severe Duty	None	255528	255536	255543	255513	255694	255698
L500SS	Stainless Steel	Severe Duty	None	255531	255538	255549	255519	255695	255702
L500CS	Carbon Steel	Severe Duty	None	255531	255538	255547	255517	255695	255699
L500CE	Carbon Steel	Elite	None	2006513	2006511	2006510	None	None	None

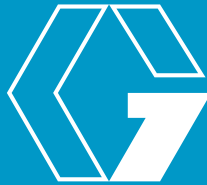
DURA-FLO LOWERS

Part Number	Lower Material	Coating	Complete Seal Kit
L145SS	Stainless Steel	Severe Duty	237609
L180SS	Stainless Steel	Severe Duty	237608
L220SS	Stainless Steel	Severe Duty	237710
L290SS	Stainless Steel	Severe Duty	237713
L430CS	Carbon Steel	Severe Duty	222845
L430SS	Stainless Steel	Severe Duty	222845
L430SM	Stainless Steel	MaxLife	253744
L580CS	Carbon Steel	Severe Duty	222875
L580SS	Stainless Steel	Severe Duty	222875
L580SM	Stainless Steel	MaxLife	253745

Reference manual X039890 for system configurations and part numbers



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