

Tandem Supply Systems

313529M

For use with non-heated bulk supply of medium to high viscosity sealants and adhesive materials. For professional use only.

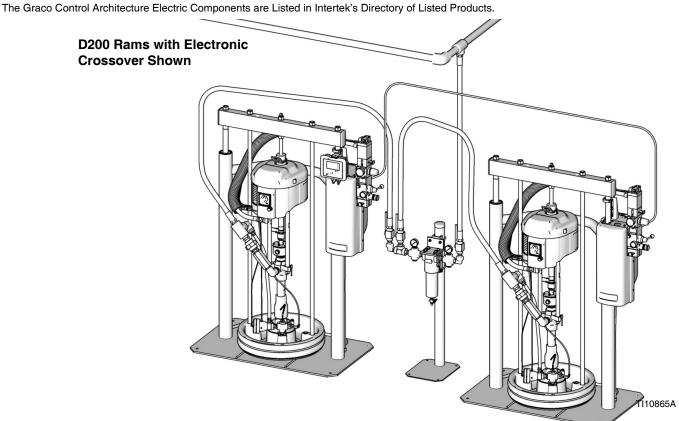
Not approved for use in European explosive atmosphere locations.

125 psi (0.9 MPa, 9 bar) Maximum Air Inlet Pressure - S20 3 in. rams 150 psi (1.0 MPa, 10 bar) Maximum Air Inlet Pressure - D60 and D200 3 in. rams 125 psi (0.9 MPa, 9 bar) Maximum Air Inlet Pressure - D200S 6.5 in. rams



Important Safety Instructions

Read all warnings and instructions in this manual. Save these instructions.





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Related Manuals

Component Manuals in U.S. English:

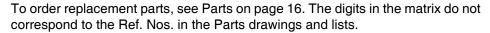
Manual	Description
313529	Tandem Supply Systems Repair-Parts
313526	Supply Systems Operation
313527	Supply Systems Repair-Parts
312375	Check-Mate [®] Displacement Pumps Instructions-Parts
312376	Check-Mate [®] Pump Packages Instruction-Parts
311827	Dura-Flo [™] Displacement Pumps (145cc, 180cc, 220cc, 290cc) Instructions-Parts Manual
311825	Dura-Flo [™] Displacement Pumps (430cc, 580cc) Instructions-Parts Manual
311717	Carbon Steel Displacement Pump (1000cc) Instructions-Parts Manual
311828	Dura-Flo [™] Pump Packages (145cc, 180cc, 220cc, 290cc) Instructions-Parts Manual
311826	Dura-Flo [™] Pump Packages (430cc, 580cc) Instructions-Parts Manual
311833	Two-Ball NXT [™] Pump Packages (1000cc) Instructions-Parts Manual
312889	60 cc Check-Mate Displacement Pump Repair Parts Manual
312467	100 cc Check-Mate Displacement Pump Repair Parts Manual
312468	200 cc Check-Mate Displacement Pump Repair Parts Manual
312469	250 cc Check-Mate Displacement Pump Repair Parts Manual
312470	500 cc Check-Mate Displacement Pump Repair Parts Manual
311238	NXT [™] Air Motor (Nxxxxx models) Instructions-Parts
011200	NXT [™] Air Motor (Mxxxxx models)
312796	Instructions-Parts
312374	Air Controls Instructions-Parts
312491	Pump Fluid Purge Kit
312492	Drum Roller Kit Instruction
312493	Light Tower Kit Instruction
312864	Communications Gateway Module, Instructions-Parts
313138	Supply System Communications Gateway Module Installation Kit, Instructions-Parts
406681	Platen Cover Kit
334048	EPDM Hose Wiper Kit
334644	Xtreme® XL Air Motor, Instructions-Parts

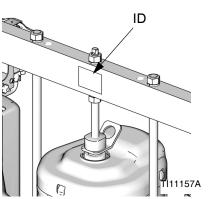
Models

Check the identification plate (ID) for the 6-digit part number of your tandem system. Use the following matrix to define the construction of your system, based on the six digits. For example, Tandem Part No. **TC2414** represents a Check-Mate tandem system (**TC**), pump (**24**), crossover option (**1**), and platen/ram option (**4**).

NOTE:

Systems with the TD as the first and second digits are Dura-Flo tandem systems. Some configurations in the following matrix cannot be built. See the Product Selection Guide for available systems.





TC	24		1				4		
First and Second Digit	Third and Fourth Digit		Fifth Digit			Sixth Digit			
				Crossover Options					Platen/Ram Options
			Electronic	Pneumatic		Depress Recircula Mate	te Valve		
	Pump Code		Crossover (Smart Motors only)	Crossover (Standard Motors only)	Fluid Filter	Carbon Steel	SST	Ram Size	See Table 1 for Selections
TC	(See Table 2	1	/		~	~		n/a	
(Tandem	for 2-digit	2	>		~		~	n/a	
System with Check-Mate	Check-Mate	3	<i>V</i>		~			n/a	
displacement	pump code)	4	<i>V</i>			~		n/a	
pump)		5	<i>V</i>				~	n/a	
pamp)		6	>					n/a	
		7		/				S20, D60,	
TD	(See Table 3							D200,	
(Tandem	for 2-digit	8		~				(3 in.) D200S,	
System with Dura-Flo dis- placement pump)	Dura- Flo pump code)	J						(6.5 in.)	

All supply systems with DataTrak and 24 VDC or 100-240 VAC power supplies are ETL approved.



5

Table 1: Platen/Ram Options

Sixth	Sixth Platen						
Digit	Platen Size	Platen Style	Material	Seal Material	Ram Size	Voltage	
2	20 L (5 Gal)	Flat, Single Wiper	CS	Polyurethane	S20, 3 in.	none	
3	20 L (5 Gal)	Flat, Single Wiper	SST	PTFE-Coated Nitrile	S20, 3 in	none	
7	20 L (5 Gal)	Flat, Dual Wiper	CS	Polyurethane	D60, 3 in.	none	
8	20 L (5 Gal)	Flat, Dual Wiper	CS	Polyurethane	D60, 3 in.	100-240 VAC	
9	20 L (5 Gal)	Flat, Dual Wiper	CS	Polyurethane	D60, 3 in.	24 VDC	
0	30 L (8 Gal)	Flat, Single Wiper	SST	PTFE-Coated Nitrile	D60, 3 in.	none	
D	30 L (8 Gal)	Flat, Single Wiper	SST	PTFE-Coated Nitrile	D60, 3 in.	100-240 VAC	
Е	30 L (8 Gal)	Flat, Single Wiper	SST	PTFE-Coated Nitrile	D60, 3 in.	24 VDC	
K	30 L (8 Gal)	Flat, Dual Wiper	CS	Polyurethane	D60, 3 in.	none	
N	30 L (8 Gal)	Flat, Dual Wiper	CS	Polyurethane	D60, 3 in.	100-240 VAC	
Р	30 L (8 Gal)	Flat, Dual Wiper	CS	Polyurethane	D60, 3 in.	24 VDC	
U	60 L (16 Gal)	Flat, Single Wiper	SST	PTFE-Coated Nitrile	D60, 3 in.	none	
V	60 L (16 Gal)	Flat, Single Wiper	SST	PTFE-Coated Nitrile	D60, 3 in.	100-240 VAC	
W	60 L (16 Gal)	Flat, Single Wiper	SST	PTFE-Coated Nitrile	D60, 3 in.	24 VDC	
Х	60 L (16 Gal)	Flat, Dual Wiper	CS	Polyurethane	D60, 3 in.	none	
Υ	60 L (16 Gal)	Flat, Dual Wiper	CS	Polyurethane	D60, 3 in.	100-240 VAC	
Z	60 L (16 Gal)	Flat, Dual Wiper	CS	Polyurethane	D60, 3 in.	24 VDC	
4	115L (30 Gal)	D Style	CS	EPDM	D200, 3 in.	none	
1	20 L (5 Gal)	Flat, Single Wiper	SST	PTFE-Coated Nitrile	D200, 3 in.	none	
6	20 L (5 Gal)	Flat, Dual Wiper	CS	Polyurethane	D200, 3 in	none	
Α	200 L (55 Gal)	Dual O-ring	AL	PTFE-Coated EPDM	D200, 3 in.	none	
В	200 L (55 Gal)	Dual O-ring	AL	PTFE-Coated EPDM	D200, 3 in.	100-240 VAC	
С	200 L (55 Gal)	Dual O-ring	AL	PTFE-Coated EPDM	D200, 3 in.	24 VDC	
F	200 L (55 Gal)	Dual O-ring	AL	PTFE-Coated EPDM	D200S, 6.5 in.	none	
G	200 L (55 Gal)	Dual O-ring	AL	PTFE-Coated EPDM	D200S, 6.5 in.	100-240 VAC	
Н	200 L (55 Gal)	Dual O-ring	AL	PTFE-Coated EPDM	D200S, 6.5 in.	24 VDC	
J	200 L (55 Gal)	Dual O-ring	AL	EPDM	D200, 3 in.	none	
L	200 L (55 Gal)	Dual O-ring	AL	EPDM	D200, 3 in.	100-240 VAC	
M	200 L (55 Gal)	Dual O-ring	AL	EPDM	D200, 3 in.	24 VDC	
R	200 L (55 Gal)	Dual O-ring	AL	EPDM	D200S, 6.5 in.	none	
S	200 L (55 Gal)	Dual O-ring	AL	EPDM	D200S, 6.5 in.	100-240 VAC	
Т	200 L (55 Gal)	Dual O-ring	AL	EPDM	D200S, 6.5 in.	24 VDC	

Table 2: Check-Mate Pump Identification Code/Part No. Index

	Pump Part No.
Pump	_
Code	312376)
NXT 20	00/CM 60
4A	P05LCS
4B	P05LCM
4C	P05LSS
4F	P05LSM
NXT 40	00/CM 60
6A	P11LCS
6B	P11LCM
6C	P11LSS
6F	P11LSM
6G	P11RCS
6H	P11RCM
6 J	P11RSS
6K	P11RSM
61	P11SCS
62	P11SCM
63	P11SSS
64	P11SSM
	00/CM 60
7A	P20LCS
7B	P20LCM
7C	P20LSS
7F	P20LSM
7G	P20RCS
7H	P20RCM
7J	P20RSS
7K	P20RSM
71	P20SCS
72	P20SCM
73	P20SSS
74	P20SSM
	200/CM 60
8A	P38LCS P38LCM
8B 8C	P38LCM P38LSS
8F	P38LSM
8G	P38LSM P38RCS
8H	P38RCM
8J	P38RSS
8K	P38RSM
UK	I JUNOW

	Pump Part No.			
Pump	(see manual			
Code	312376)			
81	P38SCS			
82	P38SCM			
83	P38SSS			
84	P38SSM			
NXT 18	800/CM 60			
9A	P61LCS			
9B	P61LCM			
9C	P61LSS			
9F	P61LSM			
9G	P61RCS			
9H	P61RCM			
9J	P61RSS			
9K	P61RSM			
91	P61SCS			
92	P61SCM			
93	P61SSS			
94	P61SSM			
NXT 2200/CM 100				
11	P40LCS			
12	P40LCM			
1F	P40LSS			
1G	P40LSM			
13	P40RCS			
14	P40RCM			
1H	P40RSS			
1J	P40RSM			
10	P40SSS			
1A	P40SSM			
19	P40SCS			
NXT 34	100/CM 100			
15	P63LCS			
16	P63LCM			
1T	P63LSS			
1U	P63LSM			
17	P63RCS			
18	P63RCM			
1W	P63RSS			
1Y	P63RSM			
1B	P63SSS			
1C	P63SSM			

	Pump Part No.
Pump	
Code	312376)
NXT 22	200/CM 200
21	P23LCS
22	P23LCM
23	P23RCS
24	P23RCM
25	P23LSS
26	P23LSM
27	P23RSS
28	P23RSM
NXT 34	100/CM 200
29	P36LCS
2A	P36LCM
2B	P36RCS
2C	P36RCM
2F	P36LSS
2G	P36LSM
2H	P36RSS
2J	P36RSM
NXT 65	00/CM 200
2L	P68LCS
2M	P68LCM
2R	P68RCS
2S	P68RCM
2T	P68LSS
2U	P68LSM
2W	P68RSS
2Y	P68RSM
20	P68SCS
	100/CM 250
31	P29LCS
32	P29LCM
33	P29RCS
34	P29RCM
35	P29LSS
36	P29LSM
37	P29RSS
38	P29RSM

	Pump Part No.
Pump	-
Code	312376)
NXT 65	500/CM 250
39	P55LCS
3A	P55LCM
3B	P55RCS
3C	P55RCM
3F	P55LSS
3G	P55LSM
3H	P55RSS
3J	P55RSM
Xtreme	XL/CM 250
3L	P85LCS
3M	P85LCM
3R	P85LSS
3S	P85LSM
	100/CM 500
51	P14LCS
52	P14LCM
53	P14RCS
54	P14RCM
55	P14LSS
56	P14LSM
57	P14RSS
58	P14RSM
	500/CM 500
59	P26LCS
5A	P26LCM
5B	P26RCS
5C	P26RCM
5F	P26LSS
5G	P26LSM
5H	P26RSS
5J Vtrome	P26RSM • XL/CM 500
5L 5M	P42LCS P42LCM
5IVI 5R	P42LCM P42LSS
5S	P42LSS P42LSM
No Pur	_
NN	iib
1414	

Table 3: Dura-Flo Pump Identification Code/Part No. Index

	Pump Part No.
Pump	(see manual
Code	311828)
NXT 22	200/DF 145SS
A1	P31LSS
A2	P31LSM
А3	P31HSS
A4	P31HSM
NXT 34	100/DF 145SS
B1	P46LSS
B2	P46LSM
В3	P46HSS
B4	P46HSM
	100/DF 180SS
B5	P41LSS
В6	P41LSM
B7	P41HSS
B8	P41HSM
	100/DF 220SS
C1	P30LSS
C2	P30LSM
C3	P30HSS
C4	P30HSM
NXT 65	00/DF 220SS
CA	P57LSS
СВ	P57LSM
CC	P57HSS
CD	P57HSM
	00/DF 290SS
D1	P45LSS
D2	P45LSM
D3	P45HSS
D4	P45HSM
	XL/DF 290SS
DL	P71LSS
DM	P71LSM
DR	P71HSS
DS	P71HSM

Pump Part No. (see manual 311826) NXT 3400/DF 430CS E1				
Code 311826) NXT 3400/DF 430CS E1 P15LCS E2 P15LCM E3 P15HCS E4 P15HCM NXT 3400/DF 430SS E5 P15LSS E6 P15LSS E7 P15HSS E8 P15HSM NXT 6500/DF 430CS E9 P32LCS EA P32HCM BB P32HCS EC P32HCM NXT 6500/DF 430SS EF P32LSS EG P32LSS EG P32LSS EJ P32HSM Xtreme XL/DF 430 EL P47LSM ER P47LSM ER P47LCS ES P47LCM NXT 3400/DF 580CS F1 P12LCS F4 P12HSM F5 P12LSS F6 P12LSM F7 P12HSM	_	Pump Part No.		
NXT 3400/DF 430CS E1 P15LCS E2 P15LCM E3 P15HCS E4 P15HCM NXT 3400/DF 430SS E5 P15LSM E7 P15HSS E8 P15HSM NXT 6500/DF 430CS E9 P32LCS EA P32LCM EB P32LCS EC P32HCM NXT 6500/DF 430SS EF P32LSS EG P32LSM EH P32LSS EJ P32LSM EH P32HSM Xtreme XL/DF 430 EL P47LSM ER P47LSM ER P47LSM ER P47LCS ES P47LCM NXT 3400/DF 580CS F1 P12LCS F2 P12LCM R3 P12LSS F6 P12LSM F7 P12HSM F8 P12HS	-	*		
E1		_		
E2 P15LCM E3 P15HCS E4 P15HCM NXT 3400/DF 430SS E5 P15LSM E7 P15HSS E8 P15HSM NXT 6500/DF 430CS E9 P32LCS EA P32LCM EB P32HCS EC P32HCM NXT 6500/DF 430SS EF P32LSS EG P32LSM EH P32HSS EJ P32HSM Xtreme XL/DF 430 EL P47LSS EM P47LSM ER P47LSM ER P47LCS ES P47LCM NXT 3400/DF 580CS F1 P12LCS F2 P12LCM F3 P12HCS F4 P12HCS F4 P12HCM NXT 3400/DF 580SS F5 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM				
E3				
E4 P15HCM NXT 3400/DF 430SS E5 P15LSS E6 P15LSM E7 P15HSS E8 P15HSM NXT 6500/DF 430CS E9 P32LCS EA P32LCM EB P32HCS EC P32HCM NXT 6500/DF 430SS EF P32LSS EG P32LSM EH P32HSS EJ P32HSM Xtreme XL/DF 430 EL P47LSS EM P47LSS EM P47LSM ER P47LCS ES P47LCM NXT 3400/DF 580CS F1 P12LCS F2 P12LCM F3 P12HCS F4 P12HSS F6 P12LSS F6 P12LSS F6 P12LSS F6 P12LSS F7 P12HSS F7 P12HSS F7 P12HSS F8 P12HSM				
NXT 3400/DF 430SS E5	E3			
E5 P15LSS E6 P15LSM E7 P15HSS E8 P15HSM NXT 6500/DF 430CS E9 P32LCS EA P32LCM EB P32HCM NXT 6500/DF 430SS EF P32LSS EG P32LSM EH P32HSS EJ P32HSM Xtreme XL/DF 430 EL P47LSS EM P47LSM ER P47LSS ES P47LCM NXT 3400/DF 580CS F1 P12LCS F2 P12LCM F3 P12HCS F4 P12HCS F4 P12HSS F6 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM				
E6 P15LSM E7 P15HSS E8 P15HSM NXT 6500/DF 430CS E9 P32LCS EA P32LCM EB P32HCS EC P32HCM NXT 6500/DF 430SS EF P32LSS EG P32LSM EH P32HSS EJ P32HSM Xtreme XL/DF 430 EL P47LSS EM P47LSM ER P47LCS ES P47LCM NXT 3400/DF 580CS F1 P12LCS F2 P12LCM F3 P12HCS F4 P12HCM NXT 3400/DF 580SS F5 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM				
E7 P15HSS E8 P15HSM NXT 6500/DF 430CS E9 P32LCS EA P32LCM EB P32HCS EC P32HCM NXT 6500/DF 430SS EF P32LSS EG P32LSM EH P32HSM Xtreme XL/DF 430 EL P47LSS EM P47LSM ER P47LCS ES P47LCM NXT 3400/DF 580CS F1 P12LCS F2 P12LCM F3 P12HCS F4 P12HCM NXT 3400/DF 580SS F5 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM	E5			
E8 P15HSM NXT 6500/DF 430CS E9 P32LCS EA P32LCM EB P32HCS EC P32HCM NXT 6500/DF 430SS EF P32LSM EH P32HSS EJ P32HSM Xtreme XL/DF 430 EL P47LSS EM P47LSM ER P47LCS ES P47LCM NXT 3400/DF 580CS F1 F4 P12LCS F4 P12HCM NXT 3400/DF 580SS F5 F5 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM		P15LSM		
NXT 6500/DF 430CS E9 P32LCS EA P32LCM EB P32HCM NXT 6500/DF 430SS EF P32LSS EG P32LSM EH P32HSM Xtreme XL/DF 430 EL P47LSS EM P47LSM ER P47LCS ES P47LCM NXT 3400/DF 580CS F1 P12LCS F2 P12LCM F3 P12HCS F4 P12HCS F5 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM	E7	P15HSS		
E9				
EA P32LCM EB P32HCS EC P32HCM NXT 6500/DF 430SS EF P32LSS EG P32LSM EH P32HSS EJ P32HSM Xtreme XL/DF 430 EL P47LSS EM P47LSM ER P47LCS ES P47LCM NXT 3400/DF 580CS F1 P12LCS F2 P12LCM F3 P12HCM NXT 3400/DF 580SS F5 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM	NXT 65			
EB P32HCS EC P32HCM NXT 6500/DF 430SS EF P32LSS EG P32LSM EH P32HSM Xtreme XL/DF 430 EL P47LSM EM P47LSM ER P47LCS ES P47LCM NXT 3400/DF 580CS F1 P12LCS F2 P12HCS F4 P12HCM NXT 3400/DF 580SS F5 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM	E9	P32LCS		
EC P32HCM NXT 6500/DF 430SS EF P32LSS EG P32LSM EH P32HSM Xtreme XL/DF 430 EL P47LSM EM P47LSM ER P47LCS ES P47LCM NXT 3400/DF 580CS F1 P12LCS F2 P12LCM F3 P12HCS F4 P12HCM NXT 3400/DF 580SS F5 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM	EA	P32LCM		
NXT 6500/DF 430SS EF P32LSS EG P32LSM EH P32HSM Xtreme XL/DF 430 EL P47LSS EM P47LSM ER P47LCS ES P47LCM NXT 3400/DF 580CS F1 P12LCS F2 P12LCM F3 P12HCS F4 P12HCM NXT 3400/DF 580SS F5 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM	EB	P32HCS		
EF P32LSS EG P32LSM EH P32HSM Ktreme XL/DF 430 EL P47LSS EM P47LSM ER P47LCS ES P47LCM NXT 3400/DF 580CS F1 P12LCS F2 P12LCM F3 P12HCS F4 P12HCM NXT 3400/DF 580SS F5 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM	EC	P32HCM		
EG P32LSM EH P32HSS EJ P32HSM Xtreme XL/DF 430 EL P47LSS EM P47LSM ER P47LCS ES P47LCM NXT 3400/DF 580CS F1 P12LCS F2 P12LCM F3 P12HCS F4 P12HCM NXT 3400/DF 580SS F5 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM	NXT 6500/DF 430SS			
EH P32HSS EJ P32HSM Xtreme XL/DF 430 EL P47LSS EM P47LSM ER P47LCS ES P47LCM NXT 3400/DF 580CS F1 P12LCS F2 P12LCM F3 P12HCM NXT 3400/DF 580SS F5 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM	EF	P32LSS		
EJ P32HSM Xtreme XL/DF 430 EL P47LSS EM P47LSM ER P47LCS ES P47LCM NXT 3400/DF 580CS F1 P12LCS F2 P12LCM F3 P12HCS F4 P12HCM NXT 3400/DF 580SS F5 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM	EG	P32LSM		
Xtreme XL/DF 430 EL P47LSS EM P47LSM ER P47LCS ES P47LCM NXT 3400/DF 580CS F1 P12LCS F2 P12LCM F3 P12HCS F4 P12HCM NXT 3400/DF 580SS F5 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM	EH	P32HSS		
EL P47LSS EM P47LSM ER P47LCS ES P47LCM NXT 3400/DF 580CS F1 P12LCS F2 P12LCM F3 P12HCS F4 P12HCM NXT 3400/DF 580SS F5 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM	EJ	P32HSM		
EM P47LSM ER P47LCS ES P47LCM NXT 3400/DF 580CS F1 P12LCS F2 P12LCM F3 P12HCS F4 P12HCM NXT 3400/DF 580SS F5 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM				
ER P47LCS ES P47LCM NXT 3400/DF 580CS F1 P12LCS F2 P12LCM F3 P12HCS F4 P12HCM NXT 3400/DF 580SS F5 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM	EL	P47LSS		
ES P47LCM NXT 3400/DF 580CS F1 P12LCS F2 P12LCM F3 P12HCS F4 P12HCM NXT 3400/DF 580SS F5 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM	EM	P47LSM		
NXT 3400/DF 580CS F1 P12LCS F2 P12LCM F3 P12HCS F4 P12HCM NXT 3400/DF 580SS F5 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM	ER	P47LCS		
F1 P12LCS F2 P12LCM F3 P12HCS F4 P12HCM NXT 3400/DF 580SS F5 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM	ES	P47LCM		
F2 P12LCM F3 P12HCS F4 P12HCM NXT 3400/DF 580SS F5 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM	NXT 34	00/DF 580CS		
F3 P12HCS F4 P12HCM NXT 3400/DF 580SS F5 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM	F1	P12LCS		
F4 P12HCM NXT 3400/DF 580SS F5 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM	F2	P12LCM		
NXT 3400/DF 580SS F5 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM	F3	P12HCS		
F5 P12LSS F6 P12LSM F7 P12HSS F8 P12HSM	F4	P12HCM		
F6 P12LSM F7 P12HSS F8 P12HSM	NXT 34	100/DF 580SS		
F7 P12HSS F8 P12HSM	F5	P12LSS		
F8 P12HSM	F6	P12LSM		
	F7	P12HSS		
FN P12RCS	F8	P12HSM		
	FN	P12RCS		

Pump Code	Pump Part No. (see manual 311826)				
NXT 65	500/DF 580CS				
F9	P22LCS				
FA	P22LCM				
FB	P22HCS				
FC	P22HCM				
NXT 6500/DF 580SS					
FF	P22LSS				
FG	P22LSM				
FH	P22HSS				
FJ	P22HSM				
Xtreme	Xtreme XL/DF 580CS				
FL	P35LSS				
FM	P35LSM				
FR	P35LCS				
FS	P35LCM				

Pump Code	Pump Part No. (see manual 311833)			
	00/DF 1000CS			
G1	P06LCS			
G2	P06LCM			
G3	P06HCS			
G4	P06HCM			
NXT 34	100/DF 1000SS			
G5	P06LSS			
G6	P06LSM			
G7	P06HSS			
G8	P06HSM			
NXT 6500/DF 1000CS				
G9	P10LCS			
GA	P10LCM			
GB	P10HCS			
0C	P10HCM			
NXT 6500/DF 1000SS				
GF	P10LSS			
GG	P10LSM			
GH	P10HSS			
GJ	P10HSM			
Xtreme	XL/DF 1000			
GL	NR			
GM	NR			
GR	NR			
GS	NR			

NR = Not released

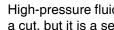
Warnings

The following warnings are for the setup, use, grounding, maintenance, and repair of this equipment. The exclamation point symbol alerts you to a general warning and the hazard symbol refers to procedure-specific risk. Refer back to these warnings. Additional, product-specific warnings may be found throughout the body of this manual where applicable.

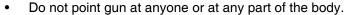
AWARNING



SKIN INJECTION HAZARD



High-pressure fluid from gun, hose leaks, or ruptured components will pierce skin. This may look like just a cut, but it is a serious injury that can result in amputation. Get immediate surgical treatment.



- Do not put your hand over the spray tip.
- Do not stop or deflect leaks with your hand, body, glove, or rag.
- Do not spray without tip guard and trigger guard installed.
- Engage trigger lock when not spraying.
- Follow Pressure Relief Procedure in this manual, when you stop spraying and before cleaning, checking, or servicing equipment.



MOVING PARTS HAZARD

Moving parts can pinch or amputate fingers and other body parts.

- Keep clear of moving parts.
- Do not operate equipment with protective guards or covers removed.
- Pressurized equipment can start without warning. Before checking, moving, or servicing equipment, follow the **Pressure Relief Procedure** in this manual. Disconnect power or air supply.



FIRE AND EXPLOSION HAZARD

Flammable fumes, such as solvent and paint fumes, in work area can ignite or explode. To help prevent fire and explosion:



- Use equipment only in well ventilated area.
- Eliminate all ignition sources; such as pilot lights, cigarettes, portable electric lamps, and plastic drop cloths (potential static arc).
- Keep work area free of debris, including solvent, rags and gasoline.
- Do not plug or unplug power cords, or turn power or light switches on or off when flammable fumes are present.
- Ground all equipment in the work area. See **Grounding** instructions.
- Use only grounded hoses.
- Hold gun firmly to side of grounded pail when triggering into pail.
- If there is static sparking or you feel a shock, stop operation immediately. Do not use equipment until you identify and correct the problem.
- Keep a working fire extinguisher in the work area.

WARNING



EQUIPMENT MISUSE HAZARD

Misuse can cause death or serious injury.

- Do not operate the unit when fatigued or under the influence of drugs or alcohol.
- Do not exceed the maximum working pressure or temperature rating of the lowest rated system component. See **Technical Data** in all equipment manuals.
- Use fluids and solvents that are compatible with equipment wetted parts. See **Technical Data** in all equipment manuals. Read fluid and solvent manufacturer's warnings. For complete information about your material, request MSDS forms from distributor or retailer.
- Check equipment daily. Repair or replace worn or damaged parts immediately with genuine manufacturer's replacement parts only.
- Do not alter or modify equipment.
- Use equipment only for its intended purpose. Call your distributor for information.
- Route hoses and cables away from traffic areas, sharp edges, moving parts, and hot surfaces.
- Do not kink or over bend hoses or use hoses to pull equipment.
- Keep children and animals away from work area.
- Comply with all applicable safety regulations.



ELECTRIC SHOCK HAZARD

Improper grounding, setup, or usage of the system can cause electric shock.

- Turn off and disconnect power cord before servicing equipment.
- Use only grounded electrical outlets.
- Use only 3-wire extension cords.
- Ensure ground prongs are intact on sprayer and extension cords.
- Do not expose to rain. Store indoors.



SPLATTER HAZARD

During blowoff of platen splatter may occur.

Use minimum drum removal air pressure.



TOXIC FLUID OR FUMES HAZARD

Toxic fluids or fumes can cause serious injury or death if splashed in the eyes or on skin, inhaled, or swallowed.



- Read MSDS's to know the specific hazards of the fluids you are using.
- Store hazardous fluid in approved containers, and dispose of it according to applicable guidelines.
- Always wear impervious gloves when spraying or cleaning equipment.



PERSONAL PROTECTIVE EQUIPMENT

You must wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect you from serious injury, including eye injury, inhalation of toxic fumes, burns, and hearing loss. This equipment includes but is not limited to:

- Protective evewear
- · Clothing and respirator as recommended by the fluid and solvent manufacturer
- Gloves
- Hearing protection

Troubleshooting



NOTE: Refer to the Supply System Repair-Parts manual for specific ram troubleshooting. Refer to the Check-Mate Pump Packages manual for pump troubleshooting.

- 1. Follow **Pressure Relief Procedure**, page 13, before disassembling any part of the supply system.
- 2. Disconnect power before repairing the supply system.
- 3. Check all possible problems and causes before disassembling the supply system.

Problem	Cause	Verification	Solution
No power.	Customer supplied main circuit breaker tripped.	Measure voltage across disconnect switch; voltage should measure between 190 and 250 VAC.	Determine cause of the tripped circuit breaker. Then repair fault and reset main circuit breaker.
No graphics on screen.	No graphics are shown on display screen.	Verify green LED on bottom of display is illuminated.	If green LED is not illuminated: 1. Check for DC power at display. Replace faulty cable/component. 2. Replace faulty display module. If green LED is illuminated, check red LED. If red LED is illuminated, replace display module.
	Backlight does not power up.	Can see display, but backlight is not illuminated when a button is pressed.	Replace display module.

Problem	Cause	Verification	Solution
Missing module.	Modules not on network.	Verify attached modules through Advanced Setup screens 4 and 5.	Enter Setup screen and scroll to Advanced Setup screens 4 and 5. These screens lists all components corresponding software revision number on network.
	Cable disconnected.	Verify all green LEDs are illuminated and yellow LEDs are flashing.	Reconnect/replace faulty cable.
	Module with wrong selector switch setting.	Verify selector switch is set correctly.	Remove power from unit.
			Remove access cover and visually check rotary switch setting.
			3. If incorrect, set to correct setting. See Selector Switch , page 12, for selector switch locations.
			4. Replace access cover.
Does not crossover.	Alternate ram has an empty sensor activated.	Verify ram has material.	Replace empty drum.
	Alternate pump is not primed.	Verify alternate ram is ready to run.	Prime pump.
	Alternate pump has an active alarm.	See Alarm Codes and Troubleshooting in the Tandem Supply Systems Operation manual.	See Alarm Codes and Troubleshooting in the Tandem Supply Systems Operation manual.

Selector Switch

Ensure the selector switch (inside the fluid control module) is set correctly for each ram.

- 1. Turn power off.
- 2. Remove access cover (D).

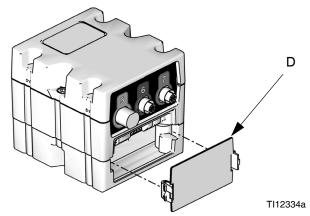


Fig. 1:

3. For ram A, ensure the selector switch (S) is set to "A". If it is not, use a flat head screwdriver to adjust the switch to "A".

4. For ram B, ensure the selector switch (S) is set to "B". If it is not, use a flat head screwdriver to adjust the switch to "B".

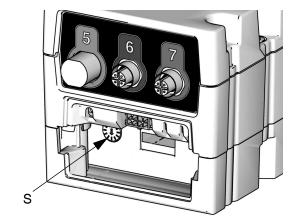


FIG. 2:

- 5. Replace access cover.
- 6. Turn power on.

Repair

Pressure Relief Procedure



- 1. Lock the gun/valve trigger.
- 2. Press On/Off key . If system is On, display will highlight . Select to turn off.

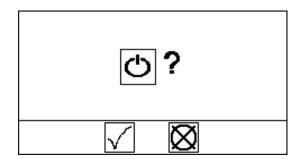


Fig. 3: System Function Screen

- 3. Turn off the air motor slider valve (BF) on both ram A and B.
- On both ram A and B, turn off the main air slider valve (BA). Set the ram director valve (BC) to the down position. The ram will slowly drop.
- 5. Unlock the gun/valve trigger.
- Hold a metal part of the gun/valve firmly to the side of a grounded metal pail, and trigger the gun/valve to relieve pressure.
- 7. Lock the gun/valve trigger.
- 8. On both ram A and B, open the drain valve and/or the pump bleed port. Have a container ready to catch the drainage.

If you suspect that the spray tip/nozzle or hose is completely clogged, or that pressure has not been fully relieved after following the steps above, very slowly loosen the tip guard retaining nut or hose end coupling and relieve pressure gradually, then loosen completely. Now clear the tip/nozzle or hose.

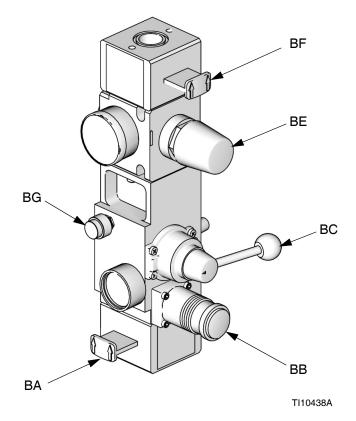


Fig. 4. Integrated Air Controls

Ram Repair

See manual 313527 for ram and platen repair procedures and replacement parts.

Pump Repair

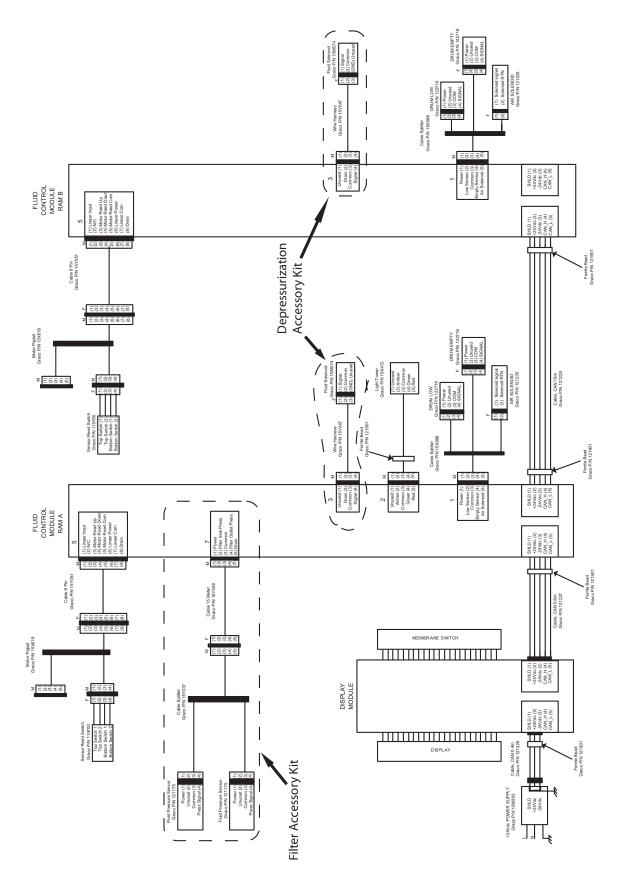
See pump manuals for pump repair procedures and replacement parts.

See manual 311238 (Nxxxxx NXT models), 312796 (Mxxxxx NXT models), or 334644 (Xtreme XL) for air motor repair procedures and replacement parts.

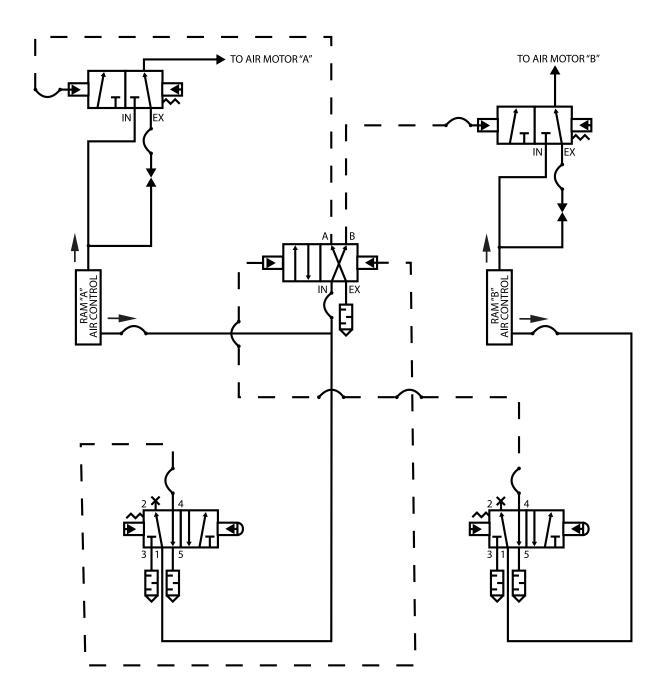
Crossover Schematics

See page 14 for a schematic of electronic crossover systems and page 15 for a schematic of pneumatic crossover systems.

Electronic Crossover Schematic



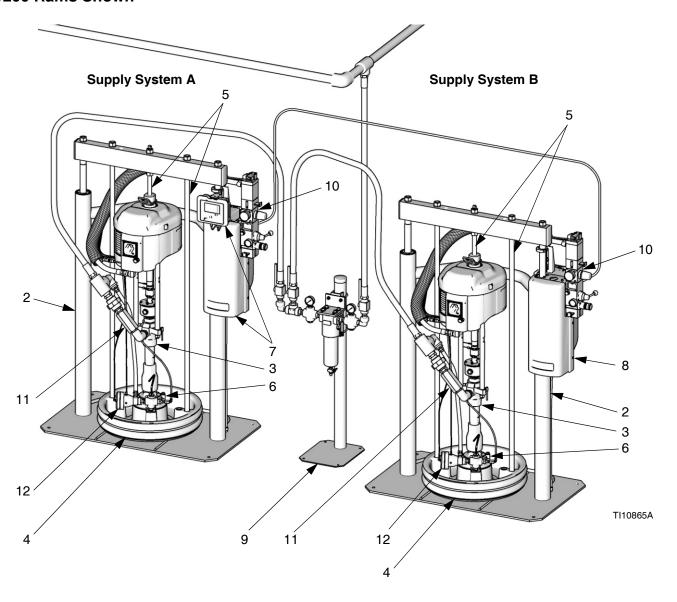
Pneumatic Crossover Schematic



Parts

Tandem Supply System; Electronic Crossover Model Shown

D200 Rams Shown



NOTE:

See Models on page 4 to identify the components included in your Tandem Supply System.

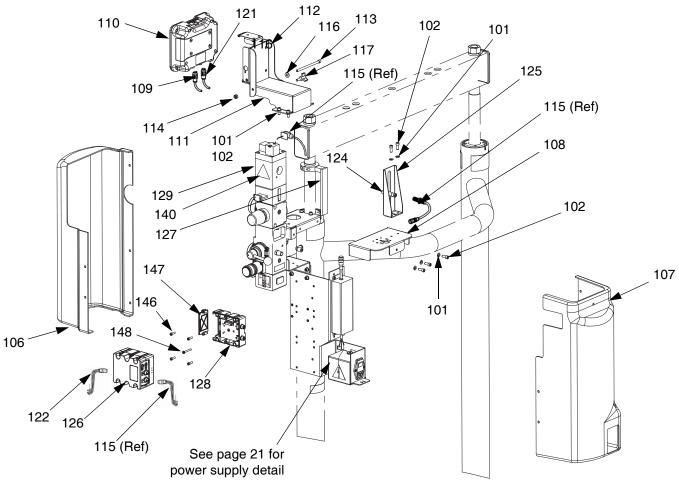
111010	aded iii ye	our randem dupply dystem.	
Ref.	Part	Description	Qty.
2		RAM ASSEMBLY, D200, 3 in.	2
	255688*	RAM ASSEMBLY, D200s, 6.5 in.	2
		RAM ASSEMBLY, S20, 3 in.	2 2
3		RAM ASSEMBLY, D60, 3 in. PUMP, Check-Mate; see manual 312375	2
3	2, page 6	· · · · · · · · · · · · · · · · · · ·	
4		PLATEN, 55 gal., o-ring, PTFE	2
7		PLATEN, 55 gal., o-ring, EPDM	
	255661*	PLATEN, 30 gal., D-style, EPDM	2 2
	257728*	PLATEN, 20 liter, single wiper, polyure-	2
		thane	
		PLATEN, 20 liter, single wiper, PTFE	2
	257731*	PLATEN, 20 liter, double wiper, polyure-	2
	057704*	thane	_
		PLATEN, 30 liter, single wiper, PTFE	2 2
	2377304	PLATEN, 30 liter, double wiper, polyure- thane	
	257738*	PLATEN, 60 liter, single wiper, PTFE	2
		PLATEN, 60 liter, double wiper, polyure-	2
		thane	
5	255305*	KIT, mounting, pump; 3 in.; 55 gal.	2
	255308*	KIT, mounting, pump; 3 in.; 20 liter and 30	2
		gal.; for NXT 3400 and 6500 air motors	
	255309*	KIT, mounting, pump; 3 in.; 20 liter and 30	2
		gal.; for NXT 2200 air motors	_
		KIT, mounting, pump; 6.5 in.; 55 gal.	2
	255316*	KIT, mounting, pump; 6.5 in.; 20 liter and	2
	255217*	30 gal.; for NXT 3400 and 6500 air motors KIT, mounting, pump; 6.5 in.; 20 liter and	2
	200017*	30 gal.; for NXT 2200 air motors	_
	256235*	KIT, mounting, pump; 3 in.; 55 gal.; for	2
	200200 *	Dura-Flo pumps	_
	257666*	KIT, mounting, pump; S20, 3 in.; 5 gal.; for	2
		NXT 2200 and 3400 air motors	
	257664*	KIT, mounting, pump; S20, 3 in.; 5 gal.; for	2
		NXT 200, 400, 700, 1200, and 1800 air	
		motors	
	257623*	KIT, mounting, pump; D60, 3 in.; 5 gal.; for	2
	057004*	NXT 2200 air motors	_
	25/624*	KIT, mounting, pump; D60, 3 in.; 5 gal.; for	2
6	255302*	NXT 3400 and 6500 air motors KIT, mounting; for all 55 gal. and 30 gal.	2
J	2000024	platens	_
	257630*	KIT, mounting; for DuraFlo pumps to 20,	2
		30, 60 liter platens	
7	255706₽	KIT, electronic crossover, with display,	1
		VAC; for 3 in. D200 and D60 Ram A	
	255759₩	KIT, electronic crossover, with display,	1
		VDC; for 3 in. D200 and D60 Ram A	
	255707₩	KIT, electronic crossover, with display,	1
	055700-	VAC; for 6.5 in. D200s Ram A	
	255/60₽	KIT, electronic crossover, with display,	1
Ω	255700+	VDC; for 6.5 in. D200s Ram A	4
8	200700	KIT, electronic crossover, no display; for 3 in. D200 and D60 Ram B	1
	255709†		1
	_00,001	6.5 in. D200s Ram B	

Ref	f. Part	Description	Qty.
9	247504	KIT, fluid filter; included with electronic	
10		crossover models only; see page 27 VALVE, safety relief; located out of view,	2
. •		on back side of air controls	_
	116643	For systems with pumps: P55xxx and	
	103347	P57xxx For systems with pumps: P05xxx, P06xxx,	
		P10xxx, P11xxx, P12xxx, P14xxx,	
		P15xxx, P20xxx, P22xxx, P23xxx, P26xxx, P29xxx, P30xxx, P31xxx,	
		P32xxx, P34xxx, P36xxx, P38xxx,	
		P40xxx, P41xxx, P42xxx, P45xxx,	
	120306	P46xxx, P47xxx For systems with pumps: P61xxx, P63xxx,	
	120000	and P71xxx	
	108124	For systems with pumps: P68xxx	
11	110065 255452◆	For systems with pumps: P85xxx KIT, pump outlet check valve; used on cst	2
		Check-Mate 60 and 100 displacement	
	257377♠	pumps KIT, pump outlet check valve; used on sst	2
	237377	Check-Mate 60 and 100 displacement	_
	0554504	pumps	0
	255453♥	KIT, pump outlet check valve; used on cst Check-Mate 200 and 250 displacement	2
		pumps	
	255454◆	KIT, pump outlet check valve; used on sst	2
		Check-Mate 200 and 250 displacement pumps	
	255455◆	KIT, pump outlet check valve; used on cst	2
	255456♠	Check-Mate 500 displacement pumps KIT, pump outlet check valve; used on sst	2
		Check-Mate 500 displacement pumps	_
	256882◆	KIT, pump outlet check valve; used on cst	2
		Dura-Flo 430 and 580 displacement pumps	
	25N026◆	KIT, pump outlet check valve; used on	2
12	255457❖	Dura-Flo 1000cc displacement pumps KIT, depressurization; cst; included with	2
12	200-107 •	electronic crossover models only	_
	255458�	KIT, depressurization; sst; included with	2
137	★ 255675 √	electronic crossover models only KIT, pneumatic crossover; for 3 in. D200	1
		rams	
	255676✓	KIT, pneumatic crossover; for 6.5 in. D200s rams	1
		KIT, pneumatic crossover; for S20 rams	1
	257632✓	KIT, pneumatic crossover; for 3 in. D60	1
		rams	
*	Not shown		
*	See Supply parts.	y Systems Repair-Parts manual 313527 for	•
Ħ	See page	18 for parts.	
†	See page 2	22 for parts.	

- See page 29 for parts.
- See page 31 for parts.
- ✓ See page 24 for parts.

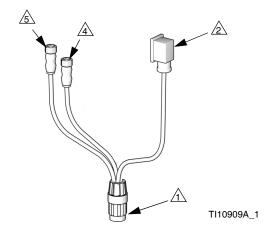
Electronic Crossover Kits, with display

255706, with display, VAC, for 3 in. D200 and D60 Ram A 255759, with display, VDC, for 3 in. D200 and D60 Ram A 255707, with display, VAC, for 6.5 in. D200s Ram A 255760, with display, VDC, for 6.5 in. D200s Ram A



Harness (115) Detail

r_257374_313529_4a



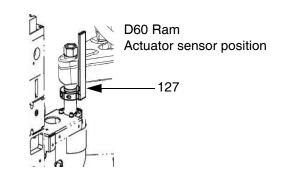
- To connection 1 on fluid control module (126).
- To air motor solenoid (129).
- To drum empty sensor (124).
- To accessory drum low sensor (if present).

Electronic Crossover Kits, with display

Ref.	Description	255706 (VAC, for D200 and D60 Rams; see pages 17 and 21)	255759 (VDC, for D200 and D60 Rams; see pages 17 and 21)	255707 (VAC, for D200s Ram; see pages 17 and 21)	255760 (VDC, for D200s Ram; see pages 17 and 21)	Qty.
101	WASHER, lock; 1/4	100016	100016	100016	100016	15
102	SCREW, cap, socket-hd; 1/4-20 x 5/8 in. (16 mm)	101682	101682	101682	101682	15
106	COVER, shroud front, 3 in.	n/a	n/a			1
	COVER, shroud front, 6.5 in.			n/a	n/a	1
107	COVER, shroud rear, 3 in.	n/a	n/a			1
	COVER, shroud rear, 6.5 in.			n/a	n/a	1
108	BRACKET, light tower, 3 in.	n/a	n/a			1
	BRACKET, light tower, 6.5 in.			n/a	n/a	1
109	CABLE, CAN, display/power supply; m x f; 0.4 m	121226	121226	121226	121226	1
110*	MODULE, display	24F493	24F493	24F493	24F493	1
111	BRACKET, pivot	n/a	n/a	n/a	n/a	1
112	BRACKET, mounting, display module	n/a	n/a	n/a	n/a	1
113	SCREW, cap, socket-hd, 1/4-20 x 4.25 in. (108 mm)	121250	121250	121250	121250	1
114	NUT, lock, hex; 1/4-20	102040	102040	102040	102040	1
115	HARNESS, fluid control module	15X968	15X968	15X968	15X968	1
116	WASHER, plain	110755	110755	110755	110755	1
117	KNOB, display adjustment	121253	121253	121253	121253	1
121	CABLE, CAN, display/fluid control module; fbe; 0.6 m	121227	121227	121227	121227	1
122	CABLE, M12, 8 pin, air motor reed switch	15Y051	15Y051	15Y051	15Y051	1
124	SENSOR, inductive, low/empty	122716	122716	122716	122716	1
125	BRACKET, sensor, low/empty	n/a	n/a	n/a	n/a	1
126*	MODULE, fluid control	289696	289696	289696	289696	1
127‡	ACTUATOR, sensor, low/empty; 3 in.	n/a	n/a			1
	ACTUATOR, sensor, low/empty; 6.5 in.			n/a	n/a	1
128	MODULE, base, fluid control	n/a	n/a	n/a	n/a	1
129	SOLENOID, air motor	121235	121235	121235	121235	1
130★	LABEL, shutoff valve	15V954	15V954	15V954	15V954	1

Parts designated n/a are not available separately.

- ★ Not shown.
- ‡ D60 ram only: Position collar of actuator sensor down, near ram weldment, with bracket pointing up.
- * Requires Ref. 149 for programming.



Ref.	Description	255706 (VAC, for D200 and D60 Rams; see pages 17 and 21)	255759 (VDC, for D200 and D60 Rams; see pages 17 and 21)	255707 (VAC, for D200s Ram; see pages 17 and 21)	255760 (VDC, for D200s Ram; see pages 17 and 21)	Qty.
131	SCREW; 6-32 x 3/8 in. (10 mm)	121255	121255	121255	121255	6
132	ENCLOSURE, power supply	n/a	n/a	n/a	n/a	1
133	BRACKET, power supply, 3 in.	n/a	n/a			1
	BRACKET, power supply, 6.5 in.			n/a	n/a	1
134	POWER SUPPLY, 100-240 VAC	15M293		15M293		1
	POWER MODULE, 24 VDC, with switch		255649		255649	1
135a	SWITCH, power, 100-240 VAC	121254		121254		1
135b	COVER, switch mount, VDC		n/a		n/a	1
136	SCREW, self-tapping	101845		101845		6
137	COVER, power supply	n/a		n/a		1
138	FUSE, 250V, 1.2A	121261		121261		2
139	CABLE, power, female, 0.8 m		255673		255673	1
140▲	LABEL, warning; hot surface	189285	189285	189285	189285	1
141▲	LABEL, warning; electric	15J074	15J074	15J074	15J074	1
143▲	LABEL, warning; crush and pinch	196548	196548	196548	196548	1
144	GROMMET	112738	112738	112738	112738	1
145	WASHER, lock	100272	100272	100272	100272	2
146	SCREW	114417	114417	114417	114417	4
147	ENCLOSURE, door	277674	277674	277674	277674	1
148	SCREW, mach, pan hd, ground	121070	121070	121070	121070	1
149	TOKEN, upgrade	16C027	16C027	16C027	16C027	1

Parts designated n/a are not available separately.

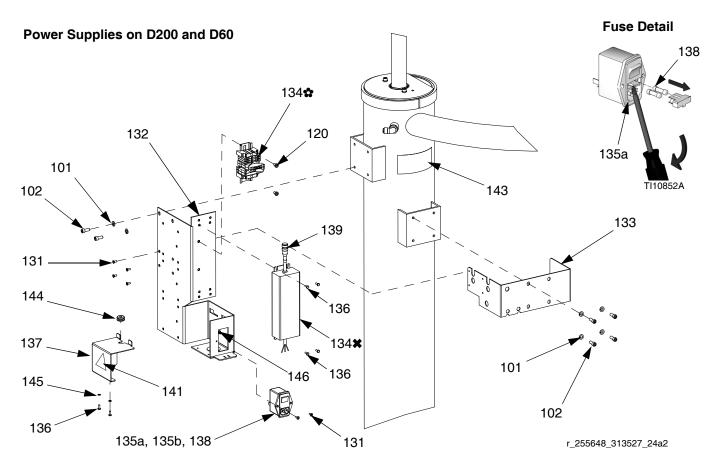
▲ Replacement Danger and Warning labels, tags and cards are available at no cost.

[★] Not shown.

Power Supply Detail

(Both 24 VDC and 100-240 VAC Power Supplies Shown)

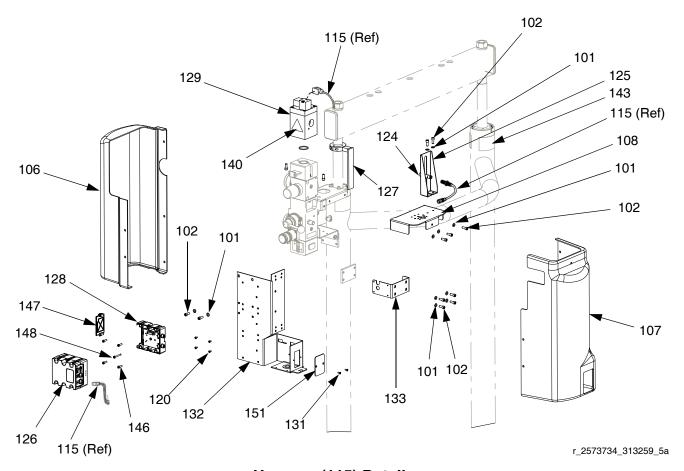
See Supply Units Repair-Parts manual 313527 for power supply repair procedures. Part numbers listed on page 22.



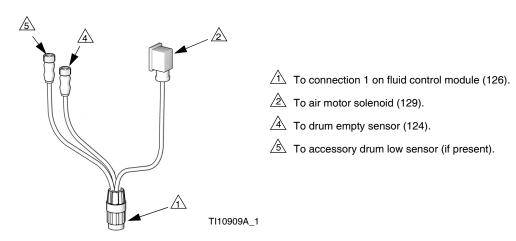
- 24 VDC Power Supply
- * 120-240 VAC Power Supply

Electronic Crossover Kits, without display

255708, without display, for 3 in. D200 and D60 Ram B 255709, without display, for 6.5 in. D200s Ram B



Harness (115) Detail

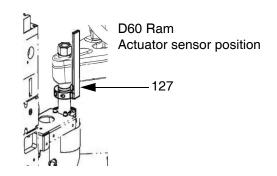


Electronic Crossover Kits, without display

Ref.	Description	255708 (without display, for D200 and D60 Rams; see page 22)	255709 (without display, for D200s Ram; see page 22)	Qty.
101	WASHER, lock; 1/4	100016	100016	11
102	SCREW, cap, socket-hd; 1/4-20 x 5/8 in. (16 mm)	101682	101682	11
106	COVER, shroud front, 3 in.	n/a		1
	COVER, shroud front, 6.5 in.		n/a	1
107	COVER, shroud rear, 3 in.	n/a		1
	COVER, shroud rear, 6.5 in.		n/a	1
108	BRACKET, light tower, 3 in.	n/a		1
	BRACKET, light tower, 6.5 in.		n/a	1
115	HARNESS, fluid control module	15X968	15X968	1
120	SCREW, machine, pan-head; 10-24 x 3/8 in. (10 mm)	110637	110637	4
122★	CABLE, M12, 8 pin	15Y051	15Y051	1
124	SENSOR, inductive, low/empty	122716	122716	1
125	BRACKET, sensor, low/empty	n/a	n/a	1
126	MODULE, fluid control	289696	289696	1
127#	ACTUATOR, sensor, low/empty; 3 in.	n/a		1
	ACTUATOR, sensor, low/empty; 6.5 in.		n/a	1
128*	MODULE, base, fluid control	n/a	n/a	1
129	SOLENOID, air motor	121235	121235	1
130★	LABEL, shutoff valve	15V954	15V954	1
131	SCREW; 6-32 x 3/8 in. (10 mm)	121255	121255	6
132	ENCLOSURE, power supply	n/a	n/a	1
133	BRACKET, power supply, 3 in.	n/a		1
	BRACKET, power supply, 6.5 in.		n/a	1
140▲	LABEL, warning; hot surface	189285	189285	1
143▲	LABEL, warning; crush and pinch	196548	196548	1
146	SCREW	114417	114417	4
147	ENCLOSURE, door	277674	277674	1
148	SCREW, mach, pan hd, grounding	121070	121070	1
150★	CABLE, CAN, unit A/unit B; fbe; 15 m	121228	121228	1
151	COVER, blank	n/a	n/a	1
152	TOKEN, upgrade	16C027	16C027	1

Parts designated n/a are not available separately.

- ★ Not shown.
- ▲ Replacement Danger and Warning labels, tags and cards are available at no cost.
- ‡ D60 ram only: Position collar of actuator sensor down, near ram weldment, with bracket pointing up.
- * Requires Ref. 152 for programming.

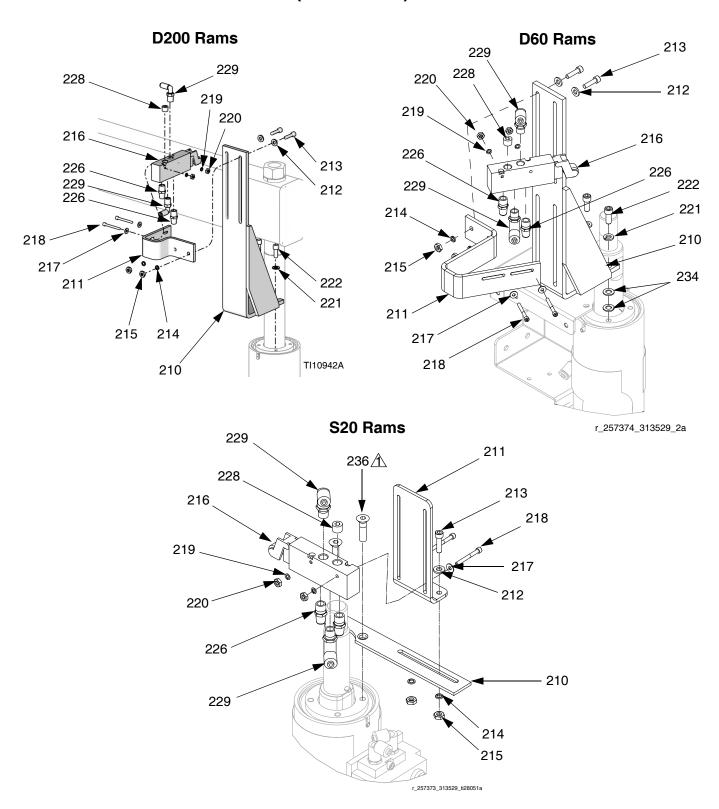


Pneumatic Crossover Kits

255675, for 3 in. D200 Rams 255676, for 6.5 in. D200s Rams 257633, for S20 Rams 257632, for 3 in. D60 Rams

D60 and D200 Rams S20 Rams D. C. TI10932A r_257373_313529_2a TI10941A

Pneumatic Crossover Kits (continued)



⚠ Use Loctite® 242 or equivalent on threads.

Pneumatic Crossover Kits

Ref.	Part	Description	Qty	Ref.	Part	Description	Qty
201	111337	TEE, street; 3/4 npt(m) x 3/4 npt(f)	2	216	C06182	VALVE, limit, air	2
		x 3/4 npt(f)		217	100813	WASHER, flat	4
202	C20487	NIPPLE, hex; 3/4 npt	2	218	C19965	SCREW, cap, socket-hd; 6-32 x	4
203		VALVE, pneumatic, 3-way.	2			1-1/4 in. (31 mm)	
204		VALVE, ball, vented; 3/4 npt (m x f)		219	100068	WASHER, lock, spring; #6	4
205	buy	HOSE, nylon; 3/8 in. (10 mm) OD;	1	220	100072	NUT, hex mscr; 6-32	4
	locally	6 in. (153 mm); black	•	221	100016		4
206	C19683	BUSHING, reducing; 3/4 npt(m) x	4	222	101682	SCREW, cap, socket-hd; 1/4-20 x	4
200	010000	3/8 npt(f)	•			5/8 in. (16 mm)	
207	115240	FITTING, tube; 3/8 npt(m) x 3/8 in.	2	223	n/a	PLATE, mounting, 4-way valve	1
201	110210	(10 mm) OD tube	_	224	113338	VALVE, air, remote, 4-way	1
208	115436	ELBOW, tube, 90°; 3/8 npt(m) x 3/8	2	225	123366	SCREW, cap, socket-hd; 10-24 x	2
200	110400	in. (10 mm) OD tube	_			1-1/8 in. (29 mm)	
209	116658	FITTING, tube; 1/4 npt(m) x 1/4 in.	2	226	C06061	MUFFLER	5
200	110000	(6 mm) OD tube	_	228	100139	PLUG, pipe; 1/8 npt	2
210	n/a	BRACKET, crossover	2	229	597151	ELBOW, tube; 1/8 npt(m) x 1/4 in.	12
211	n/a	BRACKET, limit valve; for D200	2			OD tube	
211	II/a		2	230	110475	TEE, street; 1/8 npt(m) x 1/8 npt(f)	1
	n/a	rams BRACKET, limit valve; for D60	2			x 1/8 npt(f)	
	II/a		_	231	buy	TUBE, nylon; 1/4 in. (6 mm) OD; 52	1
	n/o	rams	2		locally	ft (15.9 m); black	
	n/a	BRACKET, limit valve; for S20	2	232★	114958	STRAP, tie	4
010	101110	rams	4	233	104969	BUSHING, reducing; for S20 rams	2
212	104116	WASHER, plain; #10	4	234	158223	WASHER	4
213	111820	SCREW, cap, socket hd; 10-24 x	4	235	100896	BUSING, reducing	2
044	040004	3/4 in. (19 mm)	_	236	295679	SCREW, machine, socket head;	2
214	C19204	WASHER, lock; #10	6			1/4-20 x 1/2 in. (13 mm)	
215	100179	NUT, hex mscr; 10-24	4				

Parts designated n/a are not available separately.

[★] Not shown.

Fluid Filter Kit

NOTE:

Fluid filter is rated for 5000 psi (35 MPa, 9 bar) maximum working pressure.

247504 Fluid Filter and Stand, used with electronic crossover models only

Part	Description	Qty
n/a	BASE, mounting	1
C30021	BOLT, U; 3/8-16	2
210658	VALVE, ball; 3/8 npt (mbe); see	1
	manual 306861	
515216	HOUSING, filter	1
C19652	BUSHING, reducing; 1 in. npt(m) x	4
	1/4 npt(f)	
121189	ELBOW, street, 90°; 1 in. npt (m x	2
521477	VALVE, ball; 1 in. npt (fbe)	3
121182	ADAPTER, pipe	2
102814	GAUGE, pressure, fluid	2 2
C19488	TEE; 1 in. npt (f)	1
121163	CROSS; 1 in. npt(f)	2
158585	NIPPLE; 1 in. npt	6
101044	WASHER, plain; 1/2	4
100018		4
C19853		4
	1-1/4 in. (31 mm)	
	· ·	4
	, ,	4
	· · · · · · · · · · · · · · · · · · ·	4
		1
		1
515222	•	1
	, ,	2
15Y048	· · · · · · · · · · · · · · · · · · ·	1
15Y037	CABLE, splitter, pressure sensor	1
	n/a C30021 210658 515216 C19652 121189 521477 121182 102814 C19488 121163 158585 101044 100018 C19853 100023 100133 100131 n/a 121190 515222 121175	n/a BASE, mounting C30021 BOLT, U; 3/8-16 210658 VALVE, ball; 3/8 npt (mbe); see manual 306861 515216 HOUSING, filter C19652 BUSHING, reducing; 1 in. npt(m) x 1/4 npt(f) 121189 ELBOW, street, 90°; 1 in. npt (m x f) 521477 VALVE, ball; 1 in. npt (fbe) 121182 ADAPTER, pipe 102814 GAUGE, pressure, fluid C19488 TEE; 1 in. npt (f) 121163 CROSS; 1 in. npt(f) 121163 CROSS; 1 in. npt(f) 158585 NIPPLE; 1 in. npt 101044 WASHER, plain; 1/2 100018 WASHER, lock, spring; 1/2 C19853 SCREW, cap, socket-hd; 1/2-13 x 1-1/4 in. (31 mm) 100023 WASHER, flat; 3/8 100131 NUT, full hex; 3/8-16 n/a STAND 121190 CAP, plug 515222 ELEMENT, filter, 30 mesh; sst (see list below for other sizes) 121175 TRANSDUCER, pressure 15Y048 CABLE, filter, pressure sensor; 49 ft (15 m)

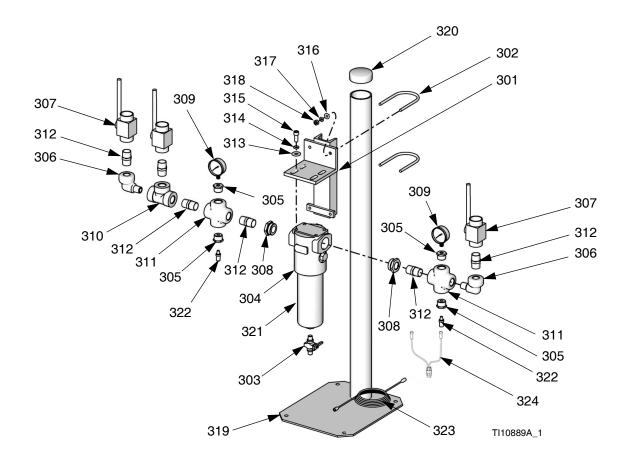
Parts designated n/a are not available separately.

Replacement filter elements are available in the following sizes:

Part No. 515219, 60 mesh Part No. 515220, 50 mesh

Part No. 515221, 40 mesh

Part No. 515222, 30 mesh (standard)



Pump Outlet Check Valve Kits

255452, used on carbon steel Check-Mate 60 and 100 Displacement Pumps (shown)

257377, used on stainless steel Check-Mate 60 and 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

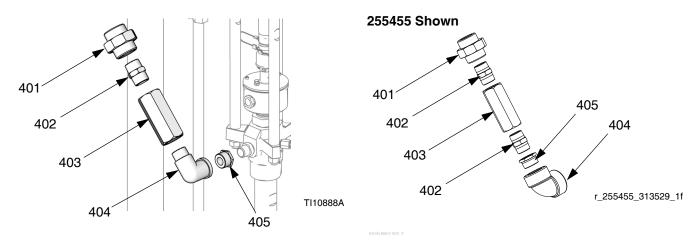
255455, used on carbon steel Check-Mate 500 Displacement Pumps

255456, used on stainless steel Check-Mate 500 Displacement Pumps

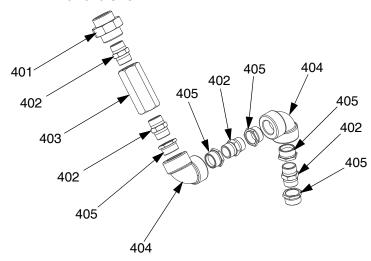
256882, used on carbon steel Dura-Flo 430 and 580 Displacement Pumps

25N026, used on carbon steel Dura-Flo 1000 Displacement Pumps

										Qty
Ref.	Description	255452	257377	255453	255454	255455	255456	256882	25N026	-
401	UNION, pipe; 1-1/4 in. npt(f)	521975		521975		521975		521975	521975	1
	CONNECTOR; 3/4 npt(m) x 1-1/16 in. unf		15M863		15M863		15M863			1
402	NIPPLE, hex; 1-1/4 in. npt	C20490		C20490				C20490	C20490	1
	NIPPLE, hex; 1-1/4 in. npt					C20490				2
	NIPPLE, reducing; 1 in. npt x 3/4 npt						15M805			1
403	VALVE, check; 1-1/4 in. npt (fbe)	521850		521850		521850		521850	521850	1
	VALVE, check; 3/4 npt (fbe)		C59546		C59546		C59546			1
404	ELBOW, street, 90°; 1-1/4 in. npt (m x f)	C38324		C38324				C38324		1
	ELBOW; 3/4 npt (m x f)		15M864		15M864		15M864			1
	ELBOW; 1-1/2 in. npt (f x f)					115129			115129	1
405	BUSHING, reducing; 1 in. npt(m) x 3/4 npt(f)	C19661								1
	NIPPLE, reducing; 1-1/4 in. npt x 1 in. npt			C38306						1
	NIPPLE, reducing; 1 in. npt x 3/4 npt				15M805					1
	BUSHING, reducing; 1-1/2 npt x 1-1/4 npt (fbe)					16A999			16A999	1
	COUPLING, reducing; 1-1/2 in. npt x 1 in. npt (fbe)						15M865			1



25N026 Shown



Depressurization Kits

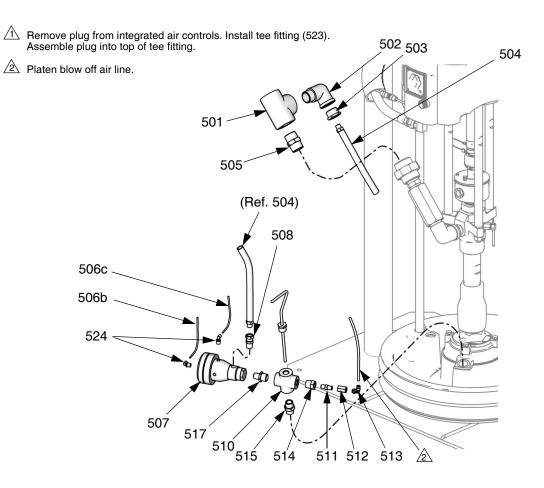
255457, carbon steel

255458, stainless steel

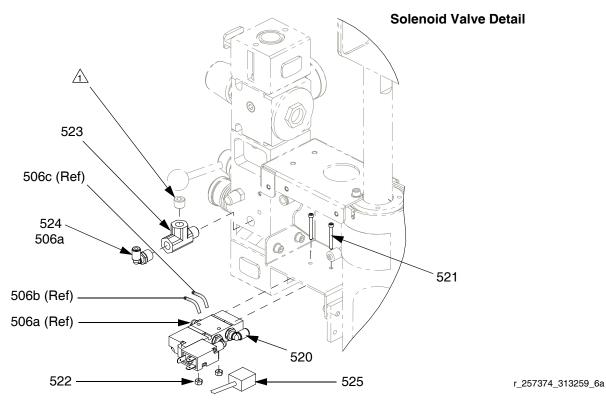
Ref.	Description	255457 (cst)	255458 (sst)	Qty
501	TEE; 1-1/4 npt(f)	C19491		1
	TEE; 3/4 npt(f)		15M862	1
502	ELBOW, street; 1-1/4 npt (m x f)	C38324		1
	ELBOW; 3/4 npt (m x f)		15M864	1
503	BUSHING, reducing; 1-1/4 in. npt(m) x 3/4 npt(f)	C19660		1
	BUSHING, reducing; 3/4 npt(m) x 1/2 npt(f)		502033	1
504	HOSE; 1/2 npt (mbe) cst; 28 in. (712 mm); buna-N	n/a		1
	HOSE; 1/2 npt (mbe) sst; 28 in. (712 mm); ptfe		n/a	1
505	NIPPLE, hex; 1-1/4 npt	C20490		1
	NIPPLE, hex; 3/4 npt		190724	1
506	TUBE; nylon; 5/32 in. (4 mm) OD; 10 ft (3.05 m); black	buy locally	buy locally	2
507	VALVE, depressurization/recirculation, 1/2 npt port; see manual 310550 for parts	918537	918537	1
508	UNION, adapter, swivel; 1/2 npt (m x f)	156684	15M859	1
510	CROSS; 3/4 npt(f)	15M834	15M866	1

	I	0==4==	0==4=0	٥.
Ref.	Description	255457 (cst)	255458 (sst)	Qty
	•	(CSI)	` ,	•
511	VALVE, check; 1/4	15M867	15M867	1
	npt(m)			
512	CONNECTOR, pipe; 1/4	113093	113093	1
	npt (fbe)			
513	ELBOW, tube; 1/4	114109	114109	1
	npt(m) x 1/4 in. (6 mm)			
	OD tube			
514	REDUCER, pipe; 3/4	C19681	15M861	1
	npt(m) x 1/4 npt(f)			
515	NIPPLE, hex; 3/4 npt	C20487	190724	1
517	ADAPTER; 1/2 npt(m) x	157191	15R232	1
	3/4 npt(m)			
520	VALVE, solenoid, 4-way	15M574	15M574	1
521	SCREW, cap,	C19965	C19965	2
	socket-hd; 6-32 x 1-1/4			
	in. (31 mm)			
522	NUT, lock, hex; M4	C19862	C19862	2
523	TEE; 1/4 npt(m) x 1/4	116504	116504	1
	npt(f) x 1/4 npt(f)			
524	ELBOW, tube; 1/4	198178	198178	3
	npt(m) x 5/32 in. (4 mm)			
	OD tube			
525	WIRE, harness	15Y047	15Y047	1

Parts designated n/a are not available separately.



TI10886A



Accessories

Communications Gateway Module

Communications Gateway Module CGMxx0 requires **CGK010 Mounting Kit.** Use reference kit noted below for mounting a CGM on electric tandem supply system. See manual 313138 for installation and repair parts.

Communications Gateway Module Mounting Kit	Communications Gateway Module Part No.	Fieldbus
CGK010	CGMDN0	DeviceNet
	CGMEP0	EtherNet/IP
	CGMPB0	PROFIBUS
	CGMPN0	PROFINET

See manual 312864 for CGM setup instructions.

Pressure Sensor Accessories

Sensors

Part No.	Description
121175	Pressure sensor filter

Cables

Part No.	Description	
15Y049	M12 male/female reverse key cable	
15Y037	Pressure sensor splitter cable	

Technical Data

Max air input pressure (supply system) S20 - 3 in. single post, 5 gal. (20 L) D60 - 3 in. dual post, 16 gal. (60 L), 8 gal. (30 L), 5 gal.	psi (MPa, bar) / Air inlet size 125 psi (0.9 MPa, 9 bar) / 1/2 npt(f)
(20 L),	150 psi (1.0 MPa, 10 bar) / 3/4 npt(f)
16 gal. (60 L), 8 gal. (30 L), 5 gal. (20 L), 30 gal. (115 L), D200s - 6.5 in. dual post, 55 gal. (200 L), 30 gal. (115 L	150 psi (1.0 MPa, 10 bar) / 3/4 npt(f)) 125 psi (0.9 MPa, 9 bar) / 3/4 npt(f)
Max fluid, air working pressure, and weight (displacement pump)	For Check-Mate pump packages, see manual 312376. For Dura-Flo pump packages, see manuals 311826, 311828, 311833.
Pump Wetted parts	For Check-Mate displacement pumps, see manual 312375.
	For Dura-Flo displacement pumps, see manuals 311717, 311825, 311827.
Platen/Ram Codes (page 5): Part number, size, platen; Wetted parts	
A , B , C , F , G , H : 255662, 55 gal. (200 L)	PTFE, EPDM, PTFE coated aluminum, zinc plated carbon steel, 316 sst
J, L, M, R, S, T: 255663, 55 gal. (200 L)	EPDM, aluminum, zinc plated carbon steel, 316 sst
4: 255661, 30 gal. (115 L)	zinc plated carbon steel, EPDM, sst, fluoroelastomer
2: 257728, 5 gal. (20 L)	Electroless nickel, polyurethane, carbon steel, polyethylene, nitrile, zinc plated carbon steel, buna, 316 sst 17-4PH sst
1, 3: 257729, 5 gal. (20 L) 0, D, E: 257734, 8 gal. (30 L) U, V, W: 257738, 16 gal. (60 L)	Stainless steel, polyurethane, PTFE coated nitrile, polyethylene, nitrile, PTFE, 303 sst, 304 sst, 316 sst, 17-4PH sst
6, 7, 8, 9: 257731, 5 gal. (20 L) K, N, P: 257736, 8 gal. (30 L) X, Y, Z: 257741, 16 gal. (60 L)	Electroless nickel, aramind reinforced elastomer, rub- ber-based PSA, polyurethane, polyethylene, nitrile, zinc plated carbon steel, buna, 1018 carbon steel, 304 sst, 316 sst, 17-4PH sst
Ambient operating temperature range (supply system) Sound data	32-120 °F (0- 49°C) See separate air motor manual.
External power supply requirements (DatraTrak) AC power units	100-240 VAC, 50/60 Hz, single phase, 1.2 amps max draw
DC power units	24 VDC, 1.2 amps max draw

_	

Graco Standard Warranty

Graco warrants all equipment referenced in this document which is manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Graco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

This warranty does not cover, and Graco shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility of Graco equipment with structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

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Original instructions. This manual contains English. MM 313529

Graco Headquarters: Minneapolis International Offices: Belgium, China, Japan, Korea

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