

QUANTM™ Pumps, Industrial Models

3A8946J

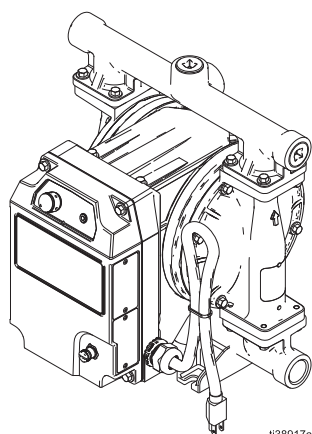
EN

Electric-operated diaphragm (EODD) pumps with an integral electric drive for fluid transfer applications. For professional use only.



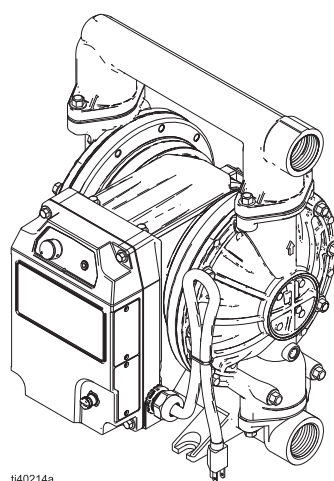
Important Safety Instructions

Read all warnings and instructions in this manual and related manuals before using the equipment. Be familiar with the controls and the proper usage of the equipment. Save these instructions.



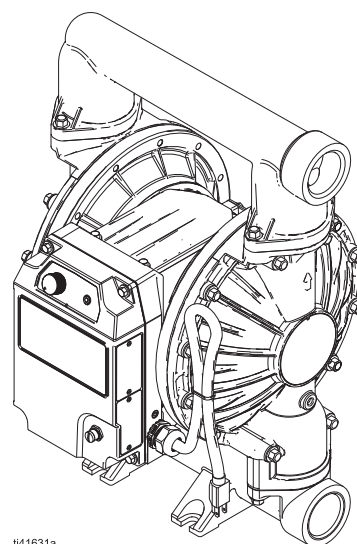
ti38917a

i30 (QTC) Model



ti40214a

i80 (QTD) Model



ti41631a

i120 (QTE) Model

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Related Manuals

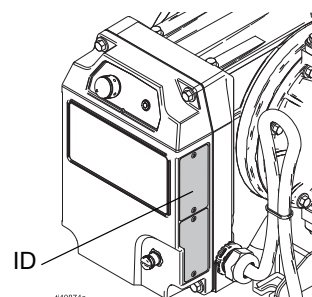
English Manual Number	Description	Reference
3A7637	QUANTM Electric Motor, Repair-Parts	Motor Manual
3A8572	QUANTM Pumps, Industrial Models, Instruction	Pump Manual

Configuration Matrix

Record the model part number and configuration sequence found on your equipment identification plate (ID) to assist you when ordering replacement parts.

Model Part Number:

Configuration Sequence:



Sample Configuration Sequence: QTC-ACFC1ACACBNBNA100

Q	T	C	AC	FC1	AC	AC	BN	BN	A1	00
Brand	Application	Model	Wetted Section Material	Motor	Seat Material	Check Material	Diaphragm Material	Manifold Seal Material	Connection	Options

NOTE: Some combinations are not possible. Check with your local distributor.

Brand		Application		Model		Wetted Section Material	
Q	QUANTM	T	Industrial (i)	C	30 (1 in. port)	AL	Aluminum
				D	80 (1-1/2 in. port)	CI	Cast Iron
				E	120 (2 in. port)	CP	Conductive Polypropylene
						PP	Polypropylene
						PV	PVDF
						SS	316 Stainless Steel

Motor - Industrial Models

Drive		Coat	Input Voltage	Phase	Location	Cord/Cable Termination
FC1*	Aluminum Direct Drive	Black powder coat	200-240 V	3-Phase	Industrial, Ordinary Locations	Cord with plug
FC2	Aluminum Direct Drive	Black powder coat	200-240 V	Single-Phase	Industrial, Ordinary Locations	Cord with plug
FC3*	Aluminum Direct Drive	Black powder coat	200-240 V	3-Phase	Industrial, Explosive Atmospheres	Cable with flying leads
FC4	Aluminum Direct Drive	Black powder coat	200-240 V	Single-Phase	Industrial, Explosive Atmospheres	Cable with flying leads
FC5	Aluminum Direct Drive	Black powder coat	100-120 V	Single-Phase	Industrial, Ordinary Locations	Cord with plug
FC6	Aluminum Direct Drive	Black powder coat	100-120 V	Single-Phase	Industrial, Hazardous (Classified) Locations	Cable with flying leads
FC7	Aluminum Direct Drive	Black powder coat	380-480 V	3-Phase	Industrial, Ordinary Locations (NA)	Cable with flying leads

Motor - Industrial Models						
Drive		Coat	Input Voltage	Phase	Location	Cord/Cable Termination
FC8	Aluminum Direct Drive	Black powder coat	380–480 V	3-Phase	Industrial, Ordinary Locations (WW)	Cable with flying leads
FC9	Aluminum Direct Drive	Black powder coat	380–480 V	3-Phase	Industrial, Hazardous (Classified) Locations (NA)	Cable with flying leads
FCA	Aluminum Direct Drive	Black powder coat	380–480 V	3-Phase	Industrial, Explosive Atmospheres (WW)	Cable with flying leads
FE1*	Aluminum Direct Drive	FEP coat	200–240 V	3-Phase	Industrial, Ordinary Locations, Enhanced (Chemical)	Cord with plug
FE2	Aluminum Direct Drive	FEP coat	200–240 V	Single-Phase	Industrial, Ordinary Locations, Enhanced (Chemical)	Cord with plug
FE3*	Aluminum Direct Drive	FEP coat	200–240 V	3-Phase	Industrial, Explosive Atmospheres, Enhanced (Chemical)	Cable with flying leads
FE4	Aluminum Direct Drive	FEP coat	200–240 V	Single-Phase	Industrial, Explosive Atmospheres, Enhanced (Chemical)	Cable with flying leads
FE5	Aluminum Direct Drive	FEP coat	100–120 V	Single-Phase	Industrial, Ordinary Locations, Enhanced (Chemical)	Cord with plug
FE6	Aluminum Direct Drive	FEP coat	100–120 V	Single-Phase	Industrial, Hazardous (Classified) Locations, Enhanced (Chemical)	Cable with flying leads
FE7	Aluminum Direct Drive	FEP coat	380–480 V	3-Phase	Industrial, Ordinary Locations (NA), Enhanced (Chemical)	Cable with flying leads
FE8	Aluminum Direct Drive	FEP coat	380–480 V	3-Phase	Industrial, Ordinary Locations (WW), Enhanced (Chemical)	Cable with flying leads
FE9	Aluminum Direct Drive	FEP coat	380–480 V	3-Phase	Industrial, Hazardous (Classified) Locations (NA), Enhanced (Chemical)	Cable with flying leads
FEA	Aluminum Direct Drive	FEP coat	380–480 V	3-Phase	Industrial, Explosive Atmospheres (WW) Enhanced (Chemical)	Cable with flying leads

*Not available with i30 (QTC).

Seat Material		Check Material		Diaphragm Material		Manifold Seal Material	
AC	Acetal	AC	Acetal, ball	BN	Buna-N	--	None
AL	Aluminum	-B	Buna-N Overmold 303 Stainless Steel, flapper	CO	Polychloroprene Overmold	BN	Buna-N
BN*	Buna-N	BN	Buna-N, ball	CR	Polychloroprene	PT	PTFE
FB	303 Stainless Steel with Buna-N seals	CR	Polychloroprene, standard, ball	FK	Fluoroelastomer		
FK*	Fluoroelastomer	CW	Polychloroprene, weighted, ball	GE	Graco Engineered Thermoplastic		
GE	Graco Engineered Thermoplastic	FK	Fluoroelastomer, ball	PO	PTFE/EPDM Overmold		
PP	Polypropylene	GE	Graco Engineered Thermoplastic, ball	PS	PTFE/Santoprene, two-piece		
PV	PVDF	PT	PTFE	SP	Santoprene		
SA	17-4PH Stainless Steel with PTFE o-rings	SD	440C Stainless Steel, ball	TP	TPE		
SP	Santoprene	SP	Santoprene, ball				
TP*	TPE	TP	TPE, ball				

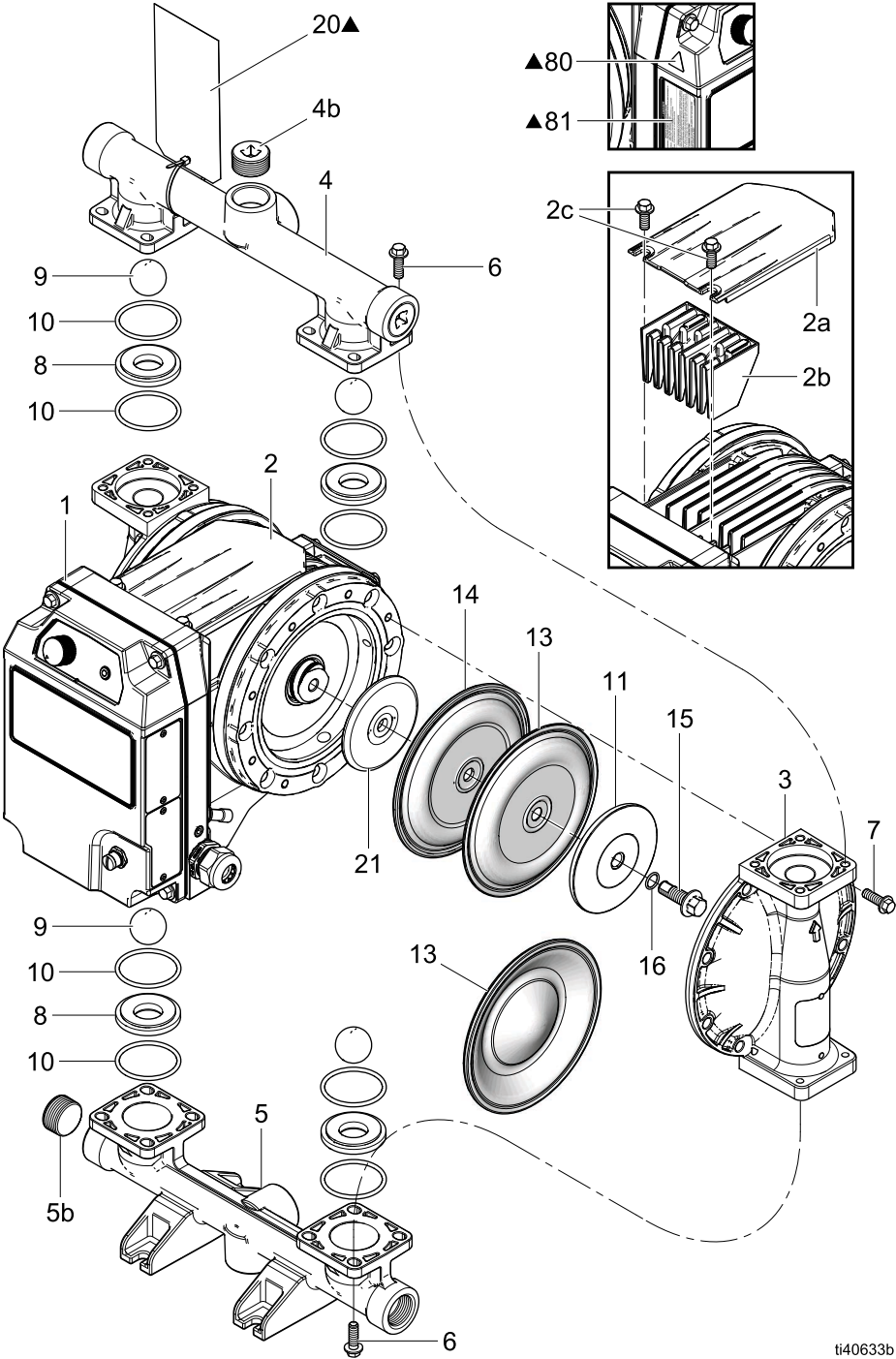
* Models with BN, FK, or TP seats do not use manifold seals.

Connection		Options	
A1	Aluminum, standard ports, NPT	00	Standard
A2	Aluminum, standard ports, BSP	LP	Large particle
C1	Conductive Polypropylene, center flange		
C2	Conductive Polypropylene, end flange		
F1	PVDF, center flange		
F2	PVDF, end flange		
I1	Iron, standard ports, NPT		
I2	Iron, standard ports, BSP		
P1	Polypropylene, center flange		
P2	Polypropylene, end flange		
S1	Stainless Steel, standard ports, NPT		
S2	Stainless Steel, standard ports, BSP		
S51	Stainless Steel, center flange, horizontal outlet		

Motor Drive Selection			
Industrial - North America			
Model	Ordinary Location (NEMA Plug)	Hazardous Location (Flying Leads)	Voltage range/phase count
i30 (QTC)	FC5	FC6	100/120V/Single-Phase
i80 (QTD)	FC1	FC3	200/240V/3-Phase
i120 (QTE)	FC1	FC3	200/240V/3-Phase
All	FC7 (Flying leads)	FC9	380/480V/3-Phase
Industrial - International			
Model	Ordinary Location (IEC Plug)	Hazardous Location (Flying Leads)	Voltage range/phase count
i30 (QTC)	FC2	FC4	200/240V/Single-Phase
i80 (QTD)	FC2	FC4	200/240V/Single-Phase
i120 (QTE)	FC2	FC4	200/240V/Single-Phase
All	FC8 (Flying leads)	FCA	380/480V/3-Phase
Industrial - Enhanced (Chemical) - North America			
Model	Ordinary Location (NEMA Plug)	Hazardous Location (Flying Leads)	Voltage range/phase count
i30 (QTC)	FE5	FE6	100/120V/Single-Phase
i80 (QTD)	FE1	FE3	200/240V/3-Phase
i120 (QTE)	FE1	FE3	200/240V/3-Phase
All	FE7 (Flying leads)	FE9	380/480V/3-Phase
Industrial - Enhanced (Chemical) - International			
Model	Ordinary Location (IEC Plug)	Hazardous Location (Flying Leads)	Voltage range/phase count
i30 (QTC)	FE2	FE4	200/240V/Single-Phase
i80 (QTD)	FE2	FE4	200/240V/Single-Phase
i120 (QTE)	FE2	FE4	200/240V/Single-Phase
All	FE8 (Flying leads)	FEA	380/480V/3-Phase

Parts

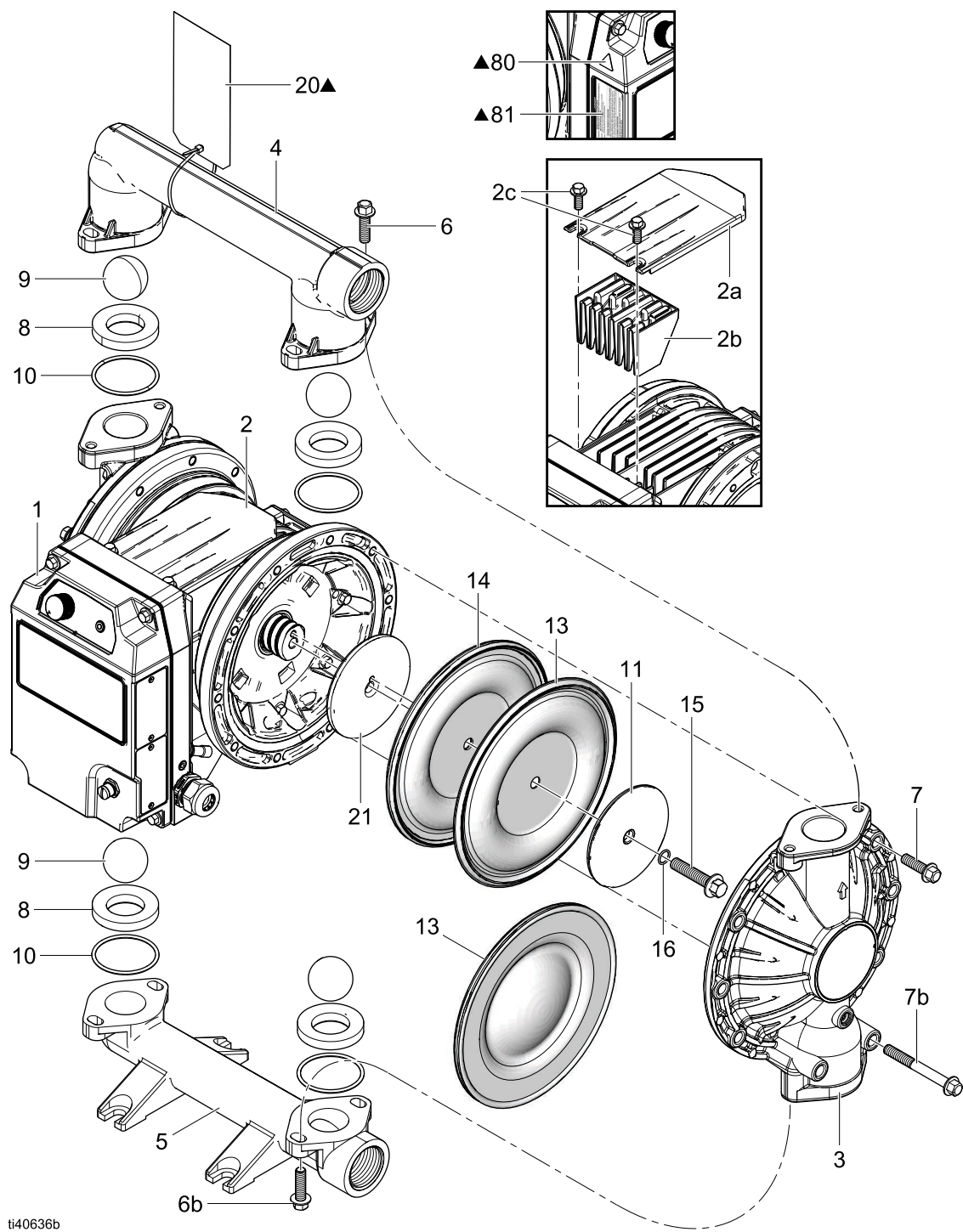
i30 (QTC) Models



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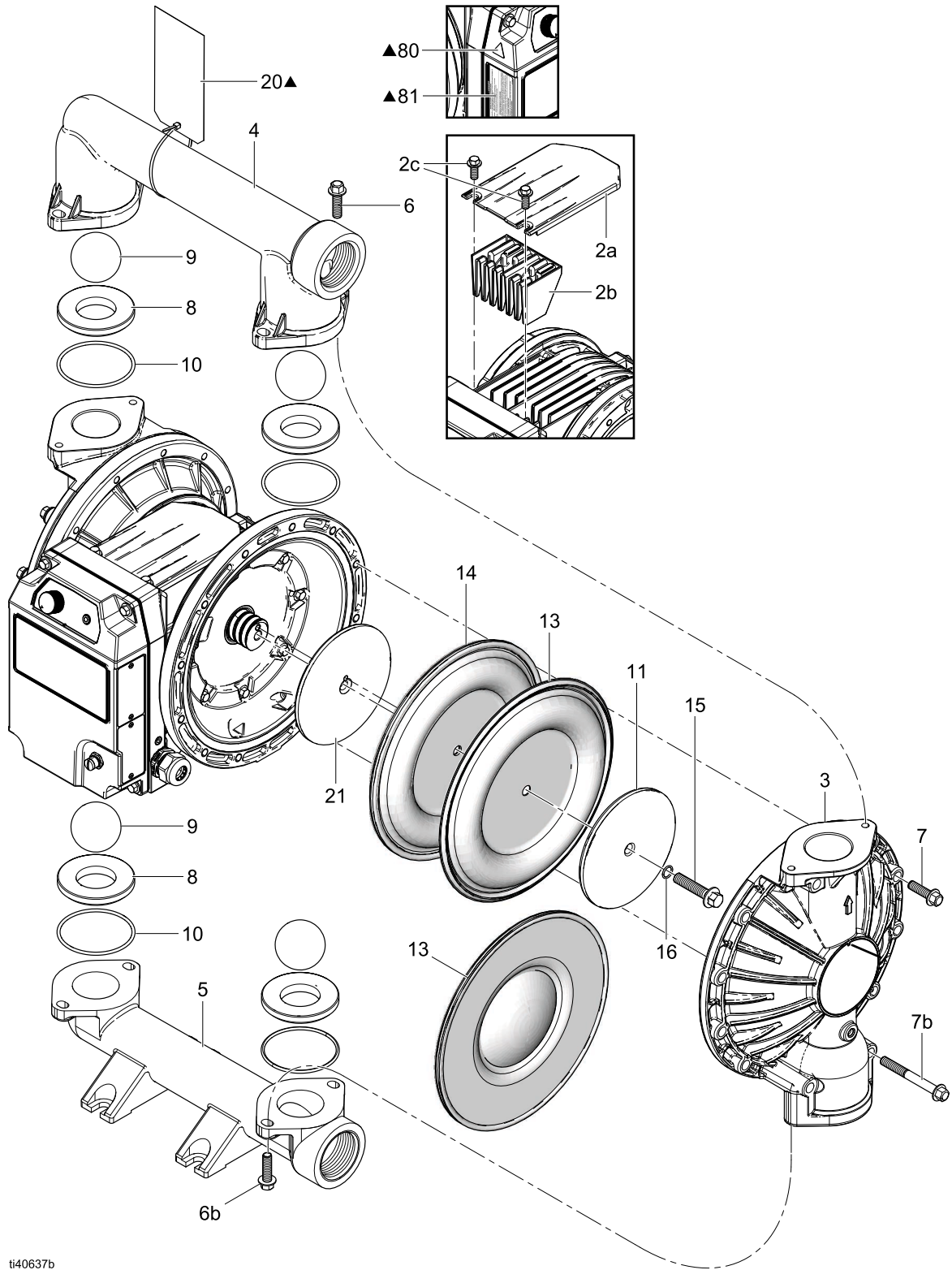
i30 (QTC) Aluminum model shown

i80 (QTD) Models



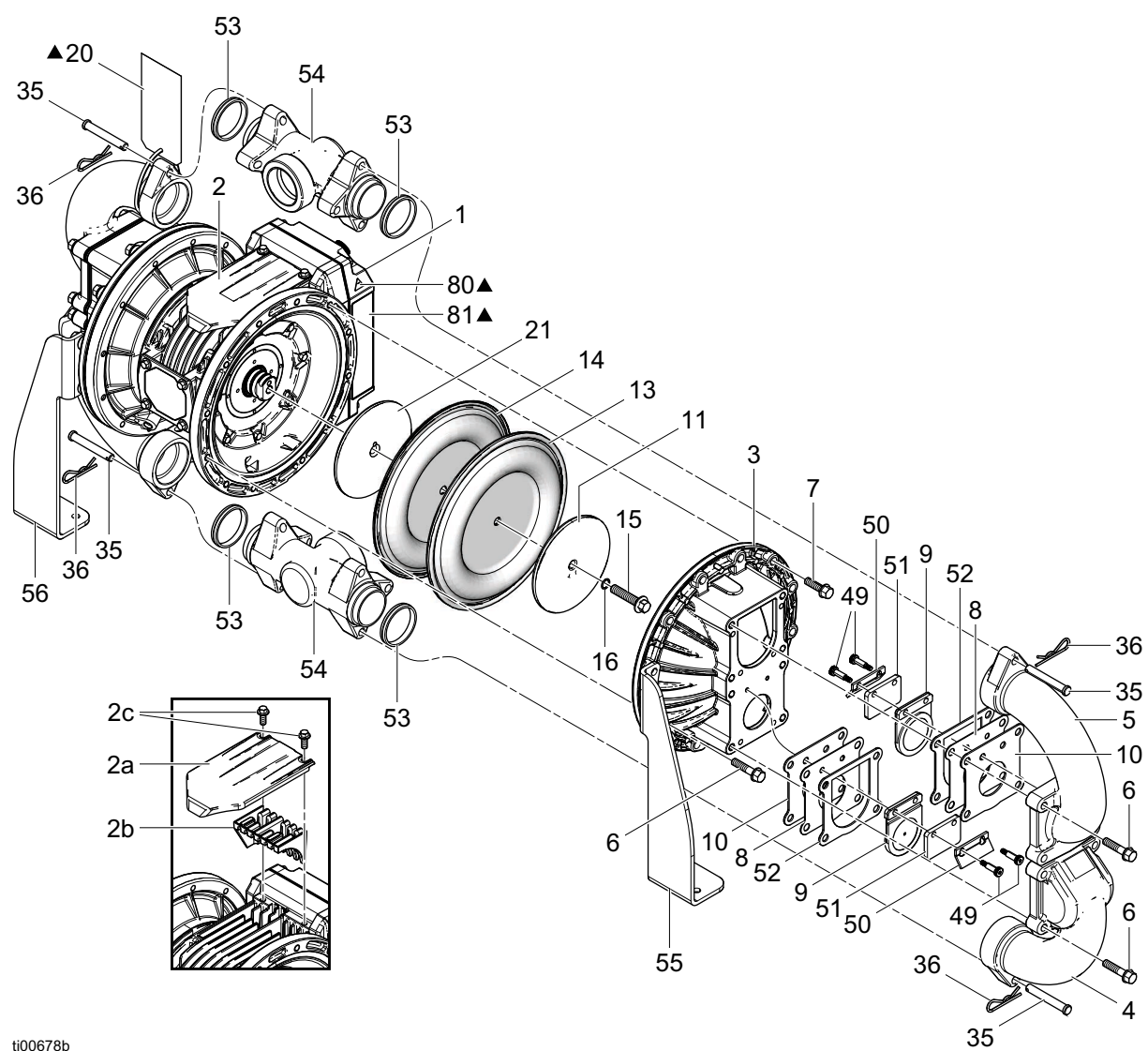
i80 (QTD) Aluminum model shown

i120 (QTE) Ball Models



i120 (QTE) Ball Models (Aluminum model shown)

i120 (QTE) Flapper Models



ti00678b

i120 (QTE) Flapper Models

Parts List

Parts are sold individually unless otherwise indicated.

Ref.	Part	Description	Qty. in Equipment
1 [‡]	---	MODULE, motor	1
2	25V113	MODULE, stator shield; see page 12	1
2a	---	SHIELD, stator	1
2b	---	BAFFLE; not used in 480 V models	1
2c	---	FASTENER; stator shield	2
3	---	COVER, fluid; see page 12	2
4	---	MANIFOLD, outlet; see page 13	1 or 2
4b [†]	---	PLUG, outlet manifold; see page 14	0 or 1 or 3
5	---	MANIFOLD, inlet; see page 13	1 or 2
5b [†]	---	PLUG, inlet manifold; see page 14	0 or 1 or 3
6	---	FASTENER, manifold; see page 15	—
6b [†]	---	FASTENER, inlet manifold; see page 15	—
7	---	FASTENER, fluid cover, short; see page 16	—
7b [†]	---	FASTENER, fluid cover, long; see page 16	—
8	---	SEAT, ball; see page 17	4
9	---	CHECK, ball; see page 17	4
10 [†]	---	SEAL, packing, manifold; see page 18	0 or 4 or 8
11	---	PLATE, diaphragm, fluid side; see page 18	2
13	---	DIAPHRAGM; see page 18	2
14 [†]	---	DIAPHRAGM, backer; see page 18	2
15	---	FASTENER; see page 18	2
16 [†]	---	SEAL, packing; see page 18	0 or 2
20 [▲]	---	LABEL, warning, torque; see page 19	0 or 1

Ref.	Part	Description	Qty. in Equipment
21		PLATE, diaphragm, air side	2
	2010731	for i30 (QTC)	
	25V496	for i80 (QTD)	
	25V497	for i120 (QTE) Ball	
	2001442	for i120 (QTE) Flapper	

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

--- Not available separately or part number varies.

† Not included in all models.

‡ See your motor manual for specific motor models. See **Related Manuals**, page 2.

* Part not included in model.

Additional parts for the i120 (QTE) flapper pump:

Ref.	Part	Description	Qty. in Equipment
35	---	PIN, clevis	4
36	---	PIN, cotter	4
49	---	SCREW, shoulder	8
50	---	BRACKET, flapper	4
51	---	SPACER, flapper	4
52	---	GASKET, flapper side	4
53	25U699	GASKET (kit of 4)	1
54	---	MANIFOLD, center; see page 13	2
55, 56	25U704	BRACKET, mounting (kit of 2 each side)	1

Fluid Covers

Fluid Covers					
Ref.	Wetted Section Material	Part			
			i30 (QTC)	i80 (QTD)	i120 (QTE)
3	Plastic	CP	24C051♦	120966	120969
		PP	24C050♦	189739	189793
		PV	24C052♦	189741	189795
	Metal	AL	24B653♦	15A615	15A612 Ball 20A298 Flapper
		CI	---	---	191541
		SS	24C061♦	194169	194279

See **Configuration Matrix**, page 3, for code descriptions.

♦ *Item is a kit.*

Kits include:

- 1 fluid cover (3)
- 4 seals (10)

Check Valve Bracket Kits (Flapper Pump Only)

Check Valve Bracket Kits (Flapper Pump Only)			
Ref.	Connection Material		i120 (QTE)
49, 50	Metal	A1	25U702♦
		A2	25U702♦

See **Configuration Matrix**, page 3, for code descriptions.

♦ *Item is a kit.*

Kits include:

- 8 shoulder screws (49)
- 4 flapper brackets (50)

Stator Shield

Carts		
Ref.	Part	Description
2	25V113	KIT,QT INDUSTRIAL SHIELD/BAFFLE

♦ *Item is a kit.*

Kits include:

- 1 stator shield
- 1 cooling fin baffle (not used in 480 V models)
- 2 fasteners

Manifolds

See **Configuration Matrix**, page 3, for code descriptions.

Outlet Manifolds

Outlet Manifolds					
Ref.	Connection Material		Part		
			i30 (QTC)	i80 (QTD)	i120 (QTE)
4	Plastic	C1	24C039♦	---	---
		C2	24C042♦	---	120971
		F1	24C040♦	---	---
		F2	24C043♦	192075	189792
		P1	24C038♦	---	---
		P2	24C041♦	192074	189790
	Metal	A1	24B649♦	15A616	15A613 Ball 20A297 Flapper
		A2	24B650♦	15A658	15A614 Ball 20A297 Flapper
		I1	---	---	191543
		I2	---	---	192089
		S1	24C057♦	194221	194281
		S2	24C058♦	195575	195577
		S51	25C302♦	25T948	25F007

♦ Item is a kit.

Kits include:

- 1 outlet manifold (4)
- 1 outlet manifold plug (4b)

Inlet Manifolds

Inlet Manifolds					
Ref.	Connection Material		Part		
			i30 (QTC)	i80 (QTD)	i120 (QTE)
5	Plastic	C1	24C045♦	---	---
		C2	24C048♦	---	120970
		F1	24C046♦	---	---
		F2	24C049♦	192073	189789
		P1	24C044♦	---	---
		P2	24C047♦	192072	189787
	Metal	A1	24B651♦	189402	189302 Ball 20A296 Flapper
		A2	24B652♦	192078	192086 Ball 20A296 Flapper
		I1	---	---	191542
		I2	---	---	192088
		S1	24C059♦	194170	194280
		S2	24C060♦	195574	195576
		S51	25C301♦	25T950	25F009

♦ Item is a kit.

Kits include:

- 1 inlet manifold (5)
- 1 inlet manifold plug (5b)

Center Manifolds (Flapper Pump Only)

Center Manifolds (Flapper Pump Only)			
Ref.	Connection Material		i120 (QTE)
54	Metal	A1	20A301
		A2	20A815

Manifold Plugs

Manifold Plugs			
Ref.	Connection Material		i30 (QTC)
			Part
4b, 5b	Metal	A1	24C617♦
		A2	24C618♦

♦ *Item is a kit.*

Kits include:

- 3 outlet manifold plugs (4b)
- 3 inlet manifold plugs (5b)

Manifold Pin Kits (Flapper Pump Only)

Manifold Pin Kits (Flapper Pump Only)			
Ref.	Connection Material		i120 (QTE)
35, 36	Metal	A1	25U915♦
		A2	25U915♦

♦ *Item is a kit.*

Kits include:

- 4 clevis pins (35)
- 4 cotter pins (36)

Fasteners for Manifolds

See **Configuration Matrix**, page 3, for code descriptions.

Fasteners for Manifolds								
Ref.	Wetted Section Material		i30 (QTC)		i80 (QTD)		i120 (QTE)	
			Part	Qty. in Equipment	Part	Qty. in Equipment	Part	Qty. in Equipment
6	Plastic	PP	24C056 [◆]	16	112560	8	112560 [†]	8
		CP	24C056 [◆]	16	---	0	112560 [†]	8
		PV	24C056 [◆]	16	112560	8	112560 [†]	8
	Metal	AL	24B654 [◆]	16	115644	4	115644 Ball 25U703* Flapper (kit)	8 24
		CI	---	0	---	0	112416	8
		SS	24C064 [◆]	16	112416	8	---	0
6b	Plastic	PP	---	0	112559	8	112559 [‡]	8
		CP	---	0	---	0	112559 [‡]	8
		PV	---	0	112559	8	112559 [‡]	8
	Metal	AL	---	0	---	0	---	0
		CI	---	0	---	0	---	0
		SS	---	0	---	0	---	0

◆ Item is a kit.

Kits include:

- 8 fasteners (6). Any included nuts are only used with the SS pump.

* Includes fasteners for fluid cover/bracket connections.

† Also requires 4 washers 15J379 for plastic pumps only.

‡ Also requires 4 washers 15J380 for plastic pumps only.

Fasteners for Fluid Covers

See **Configuration Matrix**, page 3, for code descriptions.

Fasteners for Fluid Covers								
Ref.	Wetted Section Material		i30 (QTC)		i80 (QTD)		i120 (QTE)	
			Part	Qty. in Equipment	Part	Qty. in Equipment	Part	Qty. in Equipment
7	Plastic	PP	24C055♦	16	112368	12	112368	16
		CP	24C055♦	16	---	0	112368	16
		PV	24C055♦	16	112368	12	112368	16
	Metal	AL	24B654♦	16	115644	16	115644 Ball 25U701 Flapper (kit)	16 16
		CI	---	0	---	0	112416	16
		SS	24C063♦	16	112416	16	112416	16
7b	Plastic	PP	---	0	114118	8	114181*	8
		CP	---	0	---	0	114181*	8
		PV	---	0	114118	8	114181*	8
	Metal	AL	---	0	115644	4	115644	8
		CI	---	0	---	0	112543	8
		SS	---	0	112417	4	112417	8

♦ Item is a kit.

Kits include:

- 8 fasteners (7). Any included nuts are only used with the SS pump.

* Also requires 8 washers 15K828 for plastic pumps only.

Seats

See **Configuration Matrix**, page 3, for code descriptions.

Seats					
Ref.	Seat Material		Part		
			i30 (QTC)	i80 (QTD)	i120 (QTE)
8	Plastic	AC	24B630♦	---	---
		BN	24B632♦	D0B700♦	D0F700♦
		FK	24B638♦	D0B800♦	D0F800♦
		GE	24B633♦	D0BG00♦	D0FG00♦
		PP	24B635♦	D0B900♦	D0F900♦
		PV	24C721♦	D0BA00♦	D0GA00♦
		SP	24B636♦	D0B600♦	D0F600♦
		TP	24B634♦	D0B500♦	D0F500♦
	Metal	AL	24B631♦	---	---
		FB	---	---	25U695†
		SA	2009405	D0B400♦	D0F400♦

♦ Item is a kit.

Kits include:

- 4 seats (8)

† Item is a kit.

Kits include:

- 4 flapper seats (8)
- 4 gaskets (10)
- 4 flapper side gaskets (52)

Checks

See **Configuration Matrix**, page 3, for code descriptions.

Checks					
Ref.	Check Material		Part		
			i30 (QTC)	i80 (QTD)	i120 (QTE)
9	Plastic	AC	D07020♦	D0B020♦	D0F020♦
		BN	D07070♦	D0B070♦	D0F070♦
		CR	24B643♦	---	---
		FK	D07080♦	24W230♦	D0F080♦
		GE	D070G0♦	D0B0G0♦	D0F0G0♦
		PT	D07010♦	D0B010♦	D0F010♦
		SP	D07060♦	D0B060♦	D0F060♦
		TP	D07050♦	D0B050♦	D0F050♦
	Metal	SD	D07040♦	D0B040♦	D0F040♦
	Plastic and Metal	CW	25A299♦	26B431♦	D0F0H0♦
		-B	---	---	25U696†

♦ Item is a kit.

Kits include:

- 4 checks (9)

† Item is a kit.

Kits include:

- 4 flapper valves (9)
- 4 flapper spacers (51)

Manifold Seals

See **Configuration Matrix**, page 3, for code descriptions.

Manifold Seals				
Ref.	Manifold Seal Material	Part		
		i30 (QTC)	i80 (QTD)	i120 (QTE)
10	PT	24B655♦	26B253♦	26B352♦
	BN	---	---	Flapper seals included in FB Seat kit

♦ Item is a kit.

Kits include:

- 4 or 8 seals (10), as applicable

Fluid Plates

See **Configuration Matrix**, page 3, for code descriptions.

Fluid Plates					
Ref.	Wetted Section Material	Part			
		i30 (QTC)	i80 (QTD)	i120 (QTE)	
11	Plastic	CP	24C037♦	189742	25B444♦
		PP	24C037♦	189742	25B444♦
		PV	24C037♦	189744	25B450♦
	Metal	AL	24C035♦	262026	25B445♦
		CI	---	---	25B445♦
		SS	24C062♦	189309	25B445♦

♦ Item is a kit.

* Applies to both ball and flapper models.

Kits include:

- 1 fluid plate (11)
- 1 seal (16)
- 1 fastener (15)
- 1 air side plate (*For packing only. Discard.*)

Diaphragms

See **Configuration Matrix**, page 3, for code descriptions.

Diaphragms				
Ref.	Diaphragm Material	Part		
		i30 (QTC)	i80 (QTD)	i120 (QTE)
13	BN	25V220♦	25V200♦	25V207♦
	CO	25V226♦	---	---
	CR	---	---	2002084♦
	FK	25V221♦	25V201♦	25V208♦
	GE	25V224♦	25V204♦	25V210♦
	PO	25V225♦	25V205♦	25V214♦
	PS	24B627♦	24F398♦	24F399♦
	SP	25V223♦	25V203♦	25V209♦
	TP	25V222♦	25V202♦	25V213♦

♦ Item is a kit.

* Applies to both ball and flapper models.

Kits include:

- 2 diaphragms (13)
- 2 diaphragm backers (14, if applicable)
- 2 seals (16, if applicable)
- 1 packet of anaerobic adhesive

Diaphragm Fasteners

Diaphragm Fasteners				
Ref.	Diaphragm Material	Part		
		i30 (QTC)	i80 (QTD)	i120 (QTE)
15	Plastic	---	---	18H019
	Metal	24C099♦	189410	189410*

♦ Item is a kit.

* Applies to both ball and flapper models.

Kits include:

- 1 fastener (15)
- 1 seal (16)

The i30 and i80 plastic fasteners are integrated in the fluid plate, so they are not available as separate parts.

Labels

Labels				
Ref.	Connection Material	Part		
		i30 (QTC)	i80 (QTD)	i120 (QTE)
20 [▲]	Plastic	16A023	15H976	15J194
	Metal	15Y997	15H975	15J300 Ball 18F457 Flapper

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

Cart

Carts		
Ref.	Part	Description
–	25U205	CART, 2-wheel, for i30 (QTC), i80 (QTD), i120 (QTE)

Maintenance Bracket Stand

Maintenance Bracket Stand		
Ref.	Part	Description
–	18F978	STAND, Maintenance Bracket

Fluid Repair Kits

See **Configuration Matrix** on page 3 for definitions of the seat, check, diaphragm, and seals materials.

As applicable, all Fluid Repair Kits include:

- 4 seats
- 4-8 manifold gaskets
- 4 checks
- 2 diaphragms
- 2 diaphragm backers
- 2 diaphragm bolts
- 2 diaphragm bolt O-rings
- 1 adhesive

i30 (QTC)

i30 (QTC)	
Part	Seat, Check, Diaphragm, Seals
25V259	TP,AC,TP,--
25V260	GE,GE,GE,PT
25V261	AC,PT,PS,PT
25V262	SA,PT,PS,PT
25A862	SA,SD,PS,PT
25V264	BN,BN,BN,--
25V265	PP,PT,PS,PT
25V266	SP,SP,SP,PT
25V267	SA,PT,PO,PT
25V268	FK,FK,FK,--
25V269	SA,SD,SP,PT
25V270	TP,TP,TP,--
25V271	SA,SD,PO,PT
25V272	SP,PT,SP,PT
25V273	SA,GE,GE,PT
25V274	PP,BN,BN,PT
25V275	PP,SP,SP,PT
25V276	AL,BN,BN,PT
25V277	AC,BN,BN,PT
25V278	SA,PT,BN,PT
25V279	SA,BN,BN,PT
25V280	SA,SD,FK,PT
25V281	PP,PT,PO,PT

i30 (QTC)	
Part	Seat, Check, Diaphragm, Seals
25V282	AC,AC,PS,PT
25V283	SA,FK,FK,PT
25V284	SA,SP,SP,PT
25V285	GE,CR,CO,PT
25V286	SA,PT,TP,PT
25V287	GE,GE,SP,PT
25V288	TP,BN,TP,--
25V289	AC,PT,PO,PT
25V290	TP,SD,TP,--
25V291	PP,AC,BN,PT
25V292	SA,SD,GE,PT
25V294	AC,AC,PO,PT
25V295	AC,SP,SP,PT
25V296	TP,PT,TP,--
25V297	TP,PT,PS,--
25V298	AC,AC,BN,PT
25V299	TP,PT,PO,--
2003755	AC,AC,TP,PT
2003757	AC,SD,PS,PT
2003758	AL,GE,GE,PT
2003759	AL,PT,PO,PT
2003760	AL,PT,PS,PT
2003761	AL,SP,SP,PT
2003762	FK,PT,PS,--
2003763	PP,FK,FK,PT
2003764	PP,FK,PS,PT
2003765	PP,TP,TP,PT
2003766	PV,FK,FK,PT
2003767	PV,PT,PO,PT
2003768	PV,PT,PS,PT
2003769	PV,PT,SP,PT
2003770	PV,SP,SP,PT
2003771	PV,SD,PS,PT
2003772	SA,CW,CO,PT

i30 (QTC)	
Part	Seat, Check, Diaphragm, Seals
2009358	SA,PT,PO,PT
2009359	SA,PT,PS,PT
2009360	SA,SD,PO,PT
2009361	SA,SD,PS,PT

i80 (QTD)

i80 (QTD)	
Part	Seat, Check, Diaphragm, Seals
25V300	TP,AC,TP,--
25V301	GE,GE,GE,PT
25V302	SA,PT,PS,PT
25V303	SP,SP,SP,PT
25V304	BN,BN,BN,--
25V305	SA,AC,PS,PT
25V306	PP,PT,PS,PT
25V307	FK,FK,FK,--
25V308	SA,SD,PS,PT
25V309	SP,PT,SP,PT
25V310	TP,TP,TP,--
25V311	GE,GE,SP,PT
25V312	SA,SP,SP,PT
25V313	PP,TP,TP,PT
25V314	SA,BN,BN,PT
25V315	PP,BN,BN,PT
25V316	SA,GE,GE,PT
25V317	SA,PT,PO,PT
25V318	SA,SD,SP,PT
25V319	SA,SD,PO,PT
25V321	PP,SP,SP,PT
25V322	SP,TP,TP,PT
2003773	FK,PT,PS,--
2003774	PP,FK,FK,PT
2003356	PP,PT,PO,PT
2003775	PP,SP,PS,PT
2009362	SA,PT,PO,PT

i80 (QTD)	
Part	Seat, Check, Diaphragm, Seals
2009363	SA,PT,PS,PT
2009552	PV,PT,PO,PT
2009553	PV,PT,PS,PT

i120 (QTE) Ball Models

i120 Ball	
Part	Seat, Check, Diaphragm, Seals
25V352	TP,AC,TP,--
25V353	SP,SP,SP,PT
25V354	GE,GE,GE,PT
25V356	BN,BN,BN,--
25V357	PP,PT,PS,PT
25V358	SA,SP,SP,PT
25V359	SA,AC,PS,PT
25V360	SP,PT,SP,PT
25V361	TP,TP,TP,--
25V363	FK,FK,FK,--
25V366	SA,GE,GE,PT
25V367	GE,GE,SP,PT
25V368	SA,PT,PO,PT
25V369	SA,SD,PS,PT
25V371	SA,PT,PS,PT
25V372	PP,BN,BN,PT
25V373	SA,BN,BN,PT
25V374	SA,FK,FK,PT
25V375	SA,CW,PO,PT
25V376	SA,CW,PS,PT
2000321	PP,FK,FK,PT
2000322	PP,GE,GE,PT
2000323	PP,PT,PO,PT
2000217	PP,SP,SP,PT
2000324	PP,TP,TP,PT
2000325	PV,PT,PS,PT
2009364	SA,PT,PO,PT
2009365	SA,SD,PO,PT

i120 Ball	
Part	Seat, Check, Diaphragm, Seals
2009554	PV,PT,PO,PT
2009556	SA,SD,SP,PT

i120 (QTE) Flapper Models

i120 Flapper	
Part	Seat, Check, Diaphragm, Seals
2001296	FB,-B,BN,BN
2001297	FB,-B,CR,BN
2001298	FB,-B,GE,BN
2001299	FB,-B,SP,BN
2001300	FB,-B,TP,BN

i120 (QTE) Flapper Models kits include:

- 4 seats (8)
- 4 gaskets (52)
- 4 gaskets (10)
- 4 flapper valves (9)
- 4 spacers (51)
- 2 diaphragms (13)
- 2 diaphragm backers (14)
- 2 packing o-rings (16)
- 4 gaskets (53)
- 1 packet anaerobic adhesive

[illegible]

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