

Section 6

Other Information



Contained in this section:

- How To Order
- Maintenance Instructions
- Flange Gasket and Storage Recommendations
- Actuator Diaphragm Identification
- Facts and Recommended Guidelines
- Terms and Conditions

Ordering Information

Dia-Flo Figure Number Block Sequence for Weir Valves

Size	Body	Diaphragm	Bonnet	Optional Bonnet Internals	Optional Coatings		
Block A	Block B	Block D	Block E	Block H	Block N		
Dia-Flo® Actuator	Advantage® Actuator	Position Indicator	Mechanical Accessories	Limit Switches	Positioner	Additional Options	
Block P	Block Q	Block T	Block V	Block Y	Block AA	*	

The above blocks are the most commonly used. For a complete listing see the Other Blocks listed on page 213.

Constructing Figure Numbers

Below are examples for constructing a manual and actuated valve figure number.

Manual Valve Example

Figure Number: 1-2401-TM-903

Detailed Description:

- 1: 1 Inch Size
- 2401: Cast Iron, Screwed End Valve
- TM: Modified PTFE Diaphragm (FDA)
- 903: Cast Iron Handwheel Operated Bonnet Assembly, Indicating with Travel Stop

Actuated Valve Example

Figure Number: 3-2521-T-34-3125

Detailed description:

- 3: 3 Inch Size
- 2521: Cast Iron, Flanged End Valve, Lined with Hard Rubber No. 10
- T: Neoprene Diaphragm
- 34: Ductile Iron Actuated Bonnet
- 3125: #25 Fail Open (Air-to-Close, Spring-to-Open) Actuator

Block A: Size

Code	Description
.50	.50 Inch
.75	.75 Inch
1	1 Inch
1.25	1.25 Inch
1.5	1.5 Inch
2	2 Inch
2.5	2.5 Inch
3	3 Inch
4	4 Inch
6	6 Inch
8	8 Inch
10	10 Inch
12	12 Inch

Ordering Information

Block B: Body

Weir Bodies, Unlined

Code	Body Material	Size
NO BODY SUPPLIED		
2000	No Body (Bonnet Only)	1/2"-12"
SCREWED		
2401	Iron	1/2"-3"
2402	Bronze	1/2"-3"
2403	Stainless Steel (316)	1/2"-2"
2405	Cast Steel	1/2"-2"
2406	Solid PVC	1/2"-2"
2407	CN7M	1/2"-2"
2408	Monel	1/2"-2"
2410	Hastelloy	1/2"-2"
2412	Ductile iron	1"-3"
2416	CPVC	1/2"-2"
2417	PVDF* (FDA)	1/2"-2"

FLANGED

2431	Cast Iron	1/2"-12"
2432	Bronze	1/2"-6"
2433R	Stainless Steel (316)	1/2"-8"
2434R	Stainless Steel (316L)	1/2"-8"
2435R	Cast Steel	1/2"-8"
2436	Solid PVC	1/2"-4"
2437R	CN7M	1/2"-8"
2438R	Monel	1/2"-8"
2440R	Hastelloy	1/2"-8"
2441	Ductile Iron	1/2"-12"
2442	Solid CPVC	1/2"-2"
2447	Solid PVDF* (FDA)	1/2"-4"

SOCKET SOLDER

2456	Bronze	1/2"-2"
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SOCKETWELD

2427	Solid PVDF* (FDA)	1/2"-2"
2451	Solid PVC	1/2"-2"
2463	Solid CPVC	1/2"-2"
2470	Stainless Steel (316L)	1/2"-3"
2472	Cast Steel	1/2"-3"
2474	CN7M	1/2"-3"

BUTTWELD (316L)

2464	Stainless Steel Sch. 5	1/2"-6"
2465	Stainless Steel Sch. 10	1/2"-6"
2466	Stainless Steel Sch. 40	1/2"-6"

SPIGOT WELD

2443	CPVC (IPS)	1/2"-2"
2486	PVC (IPS)	1/2"-4"
2487	Solid PVDF* (FDA, DIN)	1/2"-4"

Weir Bodies, Lined

Code	Lining Material	Size
FLANGED CAST IRON		
2501	Neoprene No. 7	1/2"-12"
2511	Glass Lined (FDA)	1/2"-8"
2516	Soft Rubber No. 5	1/2"-12"
2521	Hard Rubber No. 10	1/2"-12"
2522	Butyl Lined	1/2"-12"
2536	PVC Lined	3/4"-8"
2538	PP Lined (FDA)	3/4"-8"
2539	PP* Lined (FDA)	3/4"-8"
2529	ETFE Lined	3/4"-8"
2575	PVDF* Lined (FDA)	3/4"-8"

Weir Bodies, Lined (Continued)

Code	Lining Material	Size
FLANGED DUCTILE IRON		
2544	Glass Lined (FDA)	1/2"-10"
2550	Neoprene No. 7	1/2"-8"
2551	Soft Rubber No. 5	1/2"-8"
2552	Hard Rubber No. 10	1/2"-8"
2555	PVDF* Lined (FDA)	3/4"-8"
2556	PFA Lined (FDA)	1"-6"
2558	PP Lined (FDA)	3/4"-8"
2559	ETFE Lined	3/4"-8"
FLANGED CAST STEEL		
2545	ETFE Lined	3/4"-8"
2546	PP Lined (FDA)	3/4"-8"
2548	PVDF* Lined (FDA)	3/4"-8"
2561	Neoprene No. 7	1/2"-8"
2563	Hard Rubber No. 10	1/2"-8"

FLANGED STAINLESS STEEL

2549	ETFE Lined	3/4"-8"
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Block D: Diaphragms

Weir Type

Code	Material	Size
B	Black Butyl (FDA)	1/2"-12"
C	Hypalon**	1/2"-12"
M	EPDM	1/2"-12"
E1	EPDM (FDA)	1/2"-8"
P	BUNA - N (FDA)	1/2"-12"
S	Natural Rubber	1/2"-8"
T	Neoprene	1/2"-12"
W1	White Butyl (FDA)	1/2"-6"
DP	Buna N	1/2"-3"
V	Viton	1/2"-6"
TM	Modified PTFE (FDA)	1/2"-6"
R2	PTFE (FDA)	8", 10"
EN	Elastomer Not Supplied	1/2"-12"
PN	PTFE Not Supplied	1/2"-10"

Block E: Bonnet

Bonnets, Handwheel

Code	Bonnet Description	Size
CAST IRON		
902	Indicating	6-12"
902S	Indicating, Sealed	6-12"
903	Indicating w/ Travel Stop	1 1/4"-12"
903S	Indicating w/ Travel Stop, Sealed	1 1/4"-12"
STAINLESS STEEL (316)		
912	Indicating	6"
912S	Indicating, Sealed	6"
STAINLESS STEEL (316)		
913	Indicating w/ Travel Stop	1/2"-6"
913S	Indicating w/ Travel Stop, Sealed	1/2"-6"

*Unpigmented

**Refer to Factory for Availability

Bonnets, Handwheel (Continued)

Code	Bonnet Description	Size
BRONZE		
932	Indicating	6-12"
932S	Indicating, Sealed	6-12"
933	Indicating w/ Travel Stop	1/2"-4"
933S	Indicating w/ Travel Stop, Sealed	1/2"-4"
DUCTILE IRON		
942	Indicating	6-8"
942S	Indicating - Sealed	6-8"
943	Indicating w/ Travel Stop	1/2"-8"
943S	Indicating w/ Travel Stop, Sealed	1/2"-8"
PLASTIC PAS		
963	Indicating w/ Travel Stop	1/2"-4"
963S	Indicating w/ Travel Stop, Sealed	1/2"-4"

Bonnets, Chainwheel

Code	Bonnet Description	Size
CAST IRON		
905	Indicating w/ Travel Stop	1/2"-12"
905S	Indicating w/ Travel Stop, Sealed	1/2"-12"
STAINLESS STEEL (316)		
915	Indicating w/ Travel Stop	1/2"-6"
915S	Indicating w/ Travel Stop, Sealed	1/2"-6"
BRONZE		
935	Indicating w/ Travel Stop	1/2"-4"
935S	Indicating w/ Travel Stop, Sealed	1/2"-4"
DUCTILE IRON		
945	Indicating w/ Travel Stop	1/2"-6"
945S	Indicating w/ Travel Stop, Sealed	1/2"-6"

Actuated Bonnets

Code	Bonnet Description	Size
STAINLESS STEEL		
31	Actuated	1/2"-6"
31S	Actuated - Sealed	1/2"-6"
BRONZE		
33	Actuated	1/2"-6"
33S	Actuated - Sealed	1/2"-6"
DUCTILE IRON (34 is std - Dia-Flo® Actuator)		
34	Actuated	1/2"-10"
34S	Actuated - Sealed	1/2"-10"
84	Dual Range	1-6"
84S	Dual Range Sealed	1-6"
PLASTIC PAS (36 is std - Advantage® Actuator)		
36	Actuated	1/2"-4"
36S	Actuated - Sealed	1/2"-4"
CAST IRON		
40	Direct Load	1/2"-3"

Ordering Information

Block H: Optional Bonnet Internals

Code	Description
M2	Sanitary Internals
M5	Stainless Steel Stem
M6	Cast Iron Compressor
M7	Bronze Compressor
M8	PVDF Coated Cast Iron Compressor
M9	Stainless Steel Bushing
M10	Stainless Steel Tube Nut
M11	316 Stainless Steel Stem
M14	Clear Cap

Block N: Optional Coating

Code	Description
C1	PVDF Coated Topworks
C2	PVDF Coated Body
C3	PVDF Coated Body & Topworks
C4	White Epoxy Coated Topworks
C5	White Epoxy Coated Body
C6	White Epoxy Coated Body & Topworks
C7	Nylon Coated Topworks (Bonnet for 3" & 4" Advantage® only)

Adapted for But Less ITT Actuation (Block P2)

Code	Description
Y	Adapted for But Less ITT Engineered Valves Air Motor

Block P: Dia-Flo® Actuator Fail Open Actuators (Spring-to-Open, Air-to-Close)

Code	Actuator Size
3112	#12
3125	#25
3150	#50
31101	#101
31130	#130
31250	#250

Fail Closed Actuators (Air-to-Open, Spring-to-Close)

Code	Actuator Size
3212	#12
3225	#25
3250	#50
3275	#75
32101	#101
32130	#130
32250	#250

Code Spring Description

Code	Spring Description
SIZE #12	
3213	88 Spring
3214	88 & 89 Springs
3215	88 & Raymond Springs
3216	89 Spring

SIZE #25

3226	101 Spring
3227	101 & 102A Springs
3228	102A Spring

Fail Closed Actuators (Continued) (Air-to-Open, Spring-to-Close)

Code	Spring Description
SIZE #50	
3251	101 Spring
3252	101 & 102A Springs
3253	97 Spring
3254	96 Spring
3255	96 & 97 Springs
3256	102A Spring

SIZE #75

3274	96 Spring
3276	96 & 97 Springs
3277	97 & 98 Springs
3278	96 & 98 Springs
3279	96, 97 & 98 Springs

SIZE #101

32102	96 Spring
32103	98 Spring
32104	96 & 97 Springs
32105	96 & 98 Springs
32106	97 & 98 Springs
32107	96, 97, & 98 Springs
32108	130 Spring
32109	97 Spring

SIZE #130

32131	97 Spring
32132	96 Spring
32133	98 Spring
32134	96 & 97 Springs
32135	96 & 98 Springs
32136	97 & 98 Springs
32137	96, 97, & 98 Springs
32138	130 Spring

SIZE #250

32251	129 & 130 Springs
32252	129 Spring
32253	130 Spring

Double Acting Actuators (Air-to-Open, Air-to-Close)

Code	Actuator Size
3312	#12
3325	#25
3350	#50
3375	#75
33101	#101
33130	#130
33250	#250

Optional Air Motor Covers (Block P1)

Code	Description
DICVR	Ductile Iron

Block Q: Advantage Actuator Fail Open

Code	Actuator Series
A105	#5
A108	#8
A116	#16
A133	#33
A147	#47

Fail Closed

Code	Actuator Series
A205	#5
A206	#5
A208	#8
A209	#8
A215	#16
A216	#16
A217	#16
A232	#33
A233	#33
A234	#33
A235	#33
A247	#47
A248	#47

Double Acting

Code	Actuator Series
A305	#5
A308	#8
A316	#16
A333	#33
A347	#47

Block T: Position Indicator

Code	Description
P1	Position Indicator

Block V: Mechanical Accessories

Code	Description
AO	Adjustable Opening Stop
ATS	Adjustable Travel Stop
WO	Wrench Opening Device
HWO	Handwheel Opening Device
TOHO	Adjustable Opening Stop and Handwheel Opening Device
TOWO	Adjustable Opening Stop and Wrench Opening Device
HWC	Handwheel Closing Device
TO	Adjustable Opening Stop and Adjustable Travel Stop
THC	Adjustable Opening, Adjustable Travel Stop and Handwheel Closing Device (#25 AM and larger)
TOHC	Adjustable Opening, Adjustable Travel Stop and Handwheel Closing Device (#12 AM only)

Block Y: Limit Switches

Code	Description
LS1	Micro BZE6-2RN
LS2	Micro BAF1-2RN
LS3	Micro DTE6-2RN
LS4	Micro DTF2-2RN
LS5	Micro EX-Q
LS6	Micro EXD-Q-3
LS7	Micro LSA1A
LS8	Westlock 3479 Model 3
LS9	GO 74-13528-A2
LS10	Namco EA700-80100
LS11	Westlock E3479 Model 3
LS12	Namco EA170-34100 / 35100
LS16	Westlock 9881
LS17	Westlock E9881

Ordering Information

Optional Limit Switch Position (Block Y1)

Code	Description
LSO	Limit Switch – Open Only
LSC	Limit Switch – Closed Only

Block AA: Positioner*

Code	Description	Size
PR1 ¹	Conoflow Model 31	¾"-10"
PR2 ²	Conoflow Model 33	¾"-10"
PR3 ¹	Moore 73N12F	½"-6"
PR4 ²	Moore 73 NB	½"-6"
PR5	Moore 73 NFR	½"-6"

Note: Only Codes PR3–PR5 are available for Advantage Actuators

¹ Fail Open & Double Acting Actuators Only

² Fail Closed Actuators Only

⁴ Fail Open Actuators Only

⁵ Direct Acting Actuators Only

Other Blocks

Bonnet Seal Materials (Block F)

Code	Seal Material
S1	EPDM
S2	FKM

Optional Bolting (Block G)

Code	Description
B1	Stainless Steel
B1K	SS Bolt / Kolsterised SS Nut
B316	Stainless Steel (316)
BTFE	XYLAN 1014 Coated B7
B72H	B7 Bolt / 2H Nut
B88	B8 Bolt / 8 Nut
BA20	Alloy 20

Yoke (Block K)

Code	Description
Y	Yoke Supplied

Locking Device (Block L)

Code	Description
LD	Locking Device

Extended Stem (Block M)

Code	Description
EXTSTEM C	Extended Stem (Cap)
EXTSTEM R	Extended Stem (Rim)

Non EV Actuation (Block R & S)

Code	Description
POF	Non-EV Customer Supplied Actuator (Mounted)
POA	Adapted for But Less Customer Supplied Actuator
POM	Non-EV Actuator Supplied and Mounted by Engineered Valves

Actuator Hardware Options (Block U)

Code	Description
HW1	SS Airmotor Bolts
HW2	SS Accessory Brackets
HW3	316 SS Tubing and Fittings
HW4	Plastic Tubing / Brass Fittings
HW5	PVC Coated Tubing / Brass Fittings
HW6	PVC Coated Tubing / SS Fittings

Solenoid Valve (Block W)

Code	Description
SV1	Asco 8320G184, 3-Way
SV2	Asco EF8320G184, 3-Way
SV3	Asco 8345G1, 4-Way
SV4	Asco EF8345G1, 4-Way
SV7	Asco 8320G202, 3-Way
SV8	Asco EF8320G202, 3-Way
SV9	Asco EF8320G45, 3-Way
SV10	Asco EF8320G174, 3-Way
SV13	Asco 8320G174, 3-Way
SV14	Burkert 6012 Series (Recommended for Advantage®)
SV15	Burkert 6014 Series (Recommended for Advantage®)

Solenoid Voltage (Block X)

Code	Description
V1	120V / 60HZ
V2	24VDC
V3	240V / 60HZ

Advantage® Switch Pack SP-2 (Block Z)

Code	Description	Size
SP2S	Silver Contacts	½"-4"
SP2G	Gold Contacts	½"-4"
SP2Z	2-Wire Proximity	½"-4"
SP2N	NAMUR Proximity	½"-4"
SP2P	3-Wire PNP Proximity	½"-4"
SP2NP	3-Wire NPN Proximity	½"-4"

Advantage® Switch Pack SP-3 (Block Z3)

Code	Description	Size
SP3S48	Silver Contacts 48V	½"-2"
SP3S110	Silver Contacts 110V	½"-2"
SP3G30	Gold Contacts 30V	½"-2"
SP3Z	2-Wire Proximity	½"-2"
SP3N	NAMUR Proximity	½"-2"
SP3P	3-Wire PNP Proximity	½"-2"
SP3NP	3-Wire NPN Proximity	½"-2"

Signal Ranges (Block AB)

Code	Description
SR1	3-15 psi
SR2	6-30 psi
SR3	3-9 psi
SR4	9-15 psi

Filter Regulators (Block AC)

Code	Description
FR1	Conoflow FR95ASKEX1G
FR2	Fisher 67CFR

Transducer (Block AD)*

Code	Description
TR1	Conoflow GT2108ED
TRWS	Watson & Smith 4904-3XR

Speed Controllers (Block AE)

Code	Description
SC	Schrader 337-1001

Special Service / Preparation (Block SPSEPV)

Code	Description
SPEC	Special Service per Customer Specification
VAC	Vacuum
OXY	Oxygen
TOB	Tobacco
WCL2	Wet Chlorine
SIFREE	Silicone-Free
B311	ASME B31.1
B1634	ANSI B16.34
SP88CATB	MSS SP-88 CAT B

*The options listed are for 3–15 psi.

For other optional instrument signals, contact factory.

Ordering Information

Dia-Flo Figure Number Block Sequence for Straightway Valves

Size	Body	Diaphragm	Bonnet	Optional Coatings
Block A	Block B	Block D	Block E	Block N
Dia-Flo [®] Actuator	Position Indicator	Mechanical Accessories	Limit Switches	Additional Options
Block P	Block T	Block V	Block Y	*

The above blocks are the most commonly used. For a complete listing see the Other Blocks listed on page 216.

Manual Valve Example

Figure Number: 3-2834-SS-902

Detailed description:

- 3: 3 Inch Size
- 2834: Cast Iron Body Flanged Ends with No. 10 Hard Rubber Lining
- SS: Natural Rubber Diaphragm
- 902: Cast Iron Handwheel Operated Bonnet Assembly, Indicating

Actuated Valve Example

Figure Number: 2-2811-ST-34-3325

Detailed Description:

- 2: 2 inch size
- 2811: Cast Iron Flanged End ITT Straightway Body
- ST: Neoprene Diaphragm
- 34: Ductile Iron Actuated Bonnet
- 3325: #25 Double Acting (Air-to-Open, Air-to-Close) Actuator

Block A: Size

Code	Description
1	1 Inch
1.5	1.5 Inch
2	2 Inch
2.5	2.5 Inch
3	3 Inch
4	4 Inch
6	6 Inch
8	8 Inch
10	10 Inch
12	12 Inch

Ordering Information

Block B: Body

Straightway Bodies, Unlined

Code	Body Material	Size
2800	No Body (Bonnet Only)	1"-12"

FLANGED*

2811	Cast Iron	1"-12"
2812	Ductile Iron	1"-12"
2813R	Stainless Steel (316)	1"-8"
2815R	Cast Steel	1"-8"

Straightway Bodies, Lined

Code	Lining Material	Size
FLANGED CAST IRON		
2829	ETFE	1"-8"
2831	Neoprene No. 7	1"-12"
2833	Soft Rubber No. 5	1"-12"
2834	Hard Rubber No. 10	1"-12"
2836	Butyl No. 16	1"-12"
2838	Polypropylene (FDA)	1"-8"

FLANGED DUCTILE IRON

2840	Neoprene No. 7	1"-12"
2841	Soft Rubber No. 5	1"-12"
2842	Hard Rubber No. 10	1"-12"
2859	ETFE	1"-8"

*R – Raised Face

Block D: Diaphragms

STRAIGHTWAY TYPE

Code	Material	Size
SB	Black Butyl (FDA)	1"-4"
SS	Natural Rubber	1"-12"
ST	Neoprene	1"-12"
SE	EPDM (FDA)	1"-12"
SC	Hypalon*	1"-4"
SP	BUNA-N (FDA)	1"-2", 3"-6"
EN	Not Supplied	1"-12"

Block E: Bonnet

Bonnets, Handwheel

Code	Bonnet Description
CAST IRON	
902	Indicating
902S	Indicating, Sealed
903	Indicating w/ Travel Stop
903S	Indicating w/ Travel Stop, Sealed

DUCTILE IRON

942	Indicating
942S	Indicating, Sealed
943	Indicating w/ Travel Stop
943S	Indicating w/ Travel Stop, Sealed

Bonnets, Chainwheel

Code	Bonnet Description
CAST IRON	
905	Indicating with Travel Stop
905S	Indicating with Travel Stop, Sealed

Bonnets, Actuated

Code	Bonnet Description
DUCTILE IRON	
34	Actuated
34S	Actuated, Sealed

Block N: Optional Coatings

Code	Description
C1	PVDF Coated Topworks
C2	PVDF Coated Body
C3	PVDF Coated Body & Topworks
C4	White Epoxy Coated Topworks
C5	White Epoxy Coated Body
C6	White Epoxy Coated Body & Topworks

Adapted for But Less ITT Actuation (Block P2)

Code	Description
Y	Valve adapted for But Less Engineered Valves Air Motor

Block P: Dia-Flo® Actuator

Fail Open Actuators (Spring-to-Open Air-to-Close)

Code	Actuator Size
3125	#25
3150	#50
31101	#101
31130	#130
31250	#250

Fail Closed Actuators

(Air-to-Open, Spring-to-Close)

Code	Actuator Size
3225	#25
3250	#50
3275	#75
32101	#101
32130	#130
32250	#250

Code Spring Description

SIZE #25	
3226	101 Spring
3227	101 & 102A Springs
3228	102A Spring

SIZE #50

3251	101 Spring
3252	101 & 102A Springs
3253	97 Spring
3254	96 Spring
3255	96 & 97 Springs
3256	102A Spring

SIZE #75

3273	98 Spring
3274	96 Spring
3276	96 & 97 Springs
3277	97 & 98 Springs
3278	96 & 98 Springs
3279	96, 97 & 98 Springs

SIZE #101

32102	96 Spring
32103	98 Spring
32104	96 & 97 Springs
32105	96 & 98 Springs
32106	97 & 98 Springs
32107	96, 97, & 98 Springs
32108	130 Spring
32109	97 Spring

Fail Closed Actuators (Continued) (Air-to-Open, Spring-to-Close)

SIZE #130	
32131	97 Spring
32132	96 Spring
32133	98 Spring
32134	96 & 97 Springs
32135	96 & 98 Springs
32136	97 & 98 Springs
32137	96, 97, & 98 Springs
32138	130 Spring

SIZE #250

32251	129 & 130 Springs
32252	129 Spring
32253	130 Spring

Double Acting Actuators (Air-to-Open, Air-to-Close)

Code	Actuator Size
3325	#25
3350	#50
3375	#75
33101	#101
33130	#130
33250	#250

Optional Air Motor Covers (Block P1)

Code	Description
DICVR	Ductile Iron

Block T: Position Indicator

Code	Description
P1	Position Indicator

Block V: Mechanical Accessories

Code	Description
AO	Adjustable Opening Stop
ATS	Adjustable Travel Stop
HWO	Handwheel Opening Device
WO	Wrench Opening Device
TOHO	Adjustable Opening Stop and Handwheel Opening Device
TOWO	Adjustable Opening Stop and Wrench Opening Device
HWC	Handwheel Closing Device
TO	Adjustable Opening Stop and Adjustable Travel Stop
THC	Adjustable Opening, Adjustable Travel Stop and Handwheel Closing Device (#25 AM and larger)

Block Y: Limit Switches

Code	Description
LS1	Micro BZE6-2RN
LS2	Micro BAF1-2RN
LS3	Micro DTE6-2RN
LS4	Micro DTF2-2RN
LS5	Micro EX-Q
LS6	Micro EXD-Q-3
LS7	Micro LSA1A
LS8	Westlock 3479 Model 3
LS9	GO 74-13528-A2
LS10	Namco EA700-80100
LS12	Namco EA170-34100 / 35100

*Refer to Factory for Availability

Ordering Information

Optional Limit Switch Position (Block Y1)

Code	Description
LSO	Limit Switch – Open Only
LSC	Limit Switch – Closed Only

Other Blocks

Optional Bonnet Seal Material (Block F)

Code Seal Material

S1	EPDM
S2	Viton

Optional Bonnet Internals (Block H)

Code	Description
M5	Stainless Steel Stem
M8	PVDF Coated Cast Iron Compressor
M9	Stainless Steel Bushing
M11	316 Stainless Steel Stem

Optional Bolting (Block G)

Code Description

B1	Stainless Steel
B1K	SS Bolt / Kolsterised SS Nut
B316	Stainless Steel (316)
B88	B8 Bolt / 8 Nut

Yoke (Block K)

Code	Description
Y	Yoke Supplied

Locking Device (Block L)

Code	Description
LD	Locking Device

Extended Stem (Block M)

Code	Description
EXTSTEMR	Extended Stem - Rim

Non ITT Actuation (Block R)

Code	Description
POF	Non-EV Customer Supplied Actuator (mounted)
POA	Adapted for But Less Customer Supplied Actuator
POM	Non-EV Actuator Supplied and Mounted by Engineered Valves Actuator Hardware

Options (Block U)

Code	Description
HW1	SS Airmotor Bolts
HW2	SS Accessory Brackets
HW3	316 SS Tubing and Fittings
HW4	Plastic Tubing / Brass Fittings
HW5	PVC Coated Tubing / Brass Fittings
HW6	PVC Coated Tubing / SS Fittings

Solenoid Valve (Block W)

Code	Description
SV1	Asco 8320G184
SV2	Asco EF8320G184
SV3	Asco 8345G1
SV4	Asco EF8345G1

Solenoid Voltage (Block X)

Code	Description
V1	120V / 60HZ
V2	24VDC
V3	240V / 60HZ

Filter Regulator (Block AC)

Code	Description
FR1	Conoflow FR95ASKEX1G
FR2	Fisher 67CFR

Speed Control (Block AE)

Code	Description
SC	Schrader 337-1001

Ordering Information

Cross Reference Chart – Bodies, Bonnets and Actuators

Only those figure numbers that have changed are listed below.

Bodies

Old	New
4250	2464
4260	2465
4270	2466

Bonnets

Old	New
2	902
3	903
4	905
6	932
7	933
9	912
10	913
25	942
26	943
30	POA
854	902-C4
855	902S-C4
872	902S-C1
873	903S-C1
874	903S-C1
903	903
904	903S
907	933
910	913
913	913S
923	923
924	923S
926	943
927	943S
955	903-C4
956	903S-C4
963	963
964	963S
974	903S-C1

Dia-Flo® Actuators

Old (Spring #)	New
3112	3112
3212 (88)	3213
3212 (88 & 89)	3214
3212 (88 & Raymond)	3215
3212 (89)	3216
3312	3312
3125	3125
3225 (101)	3226
3225 (101 & 102A)	3227
3225 (102A)	3228
3325	3325
3150	3150
3250 (101)	3251
3250 (101 & 102A)	3252
3250 (97)	3253
3250 (96)	3254
3250 (96 & 97)	3255
3250 (102A)	3256
3350	3350
3275 (96)	3274
3275 (96 & 97)	3276
3275 (97 & 98)	3277
3275 (96 & 98)	3278
3275 (96, 97 & 98)	3279
3375	3375
31101	31101
32101 (96)	32102
32101 (98)	32103
32101 (96 & 97)	32104
32101 (96 & 98)	32105
32101 (97 & 98)	32106
32101 (96, 97 & 98)	32107
32101 (130)	32108
32101 (97)	32109
33101	33101

Dia-Flo® Actuators (Continued)

Old (Spring #)	New
31130	31130
32130 (97)	32131
32130 (96)	32132
32130 (98)	32133
32130 (96 & 97)	32134
32130 (96 & 98)	32135
32130 (97 & 98)	32136
32130 (96, 97 & 98)	32137
32130 (130)	32138
33130	33130
31250	31250
32250 (129 & 130)	32251
32250 (129)	32252
32250 (130)	32253
33250	33250

Switches

Old New

R – Open / Closed	LS1 – LS10
S – Closed Only	
T – Open Only	

Description	Old Code	NEW CODE (#12)		NEW CODE (#25–#250)	
		Fail Open & Double Acting 3100 & 3300	Fail Closed 3200	Fail Open & Double Acting 3100 & 3300	Fail Closed 3200
Position Indicator	Z	P1	P1	P1	P1
Adjustable Travel Stop	X	ATS	ATS	ATS	Standard
Adjustable Opening Stop	W	TOHC	TOWO	AO	AO
Adjustable Opening & Travel Stop	Q	TOHC	TOWO	TO	AO
Handwheel Closing Device	V	TOHC	Not Available	HWC	Not Available
Handwheel Opening Device	JH	Not Available	HWO	Not Available	HWO
Wrench Opening Device	JW	Not Available	WO	Not Available	WO
Adjustable Opening & Travel Stop + Handwheel Closing Device	Q + V	TOHC	Not Available	THC	Not Available
Adjustable Travel Stop + Handwheel Closing Device	X + V	TOHC	Not Available	THC	Not Available
Adjustable Opening Stop + Handwheel Closing Device	W + V	TOHC	Not Available	HWC	Not Available
Adjustable Opening Stop + Handwheel Opening Device	W + JH	Not Available	TOHO	Not Available	TOHO
Adjustable Opening Stop + Wrench Opening Device	W + JW	Not Available	TOWO	Not Available	TOWO