FMC Technologies

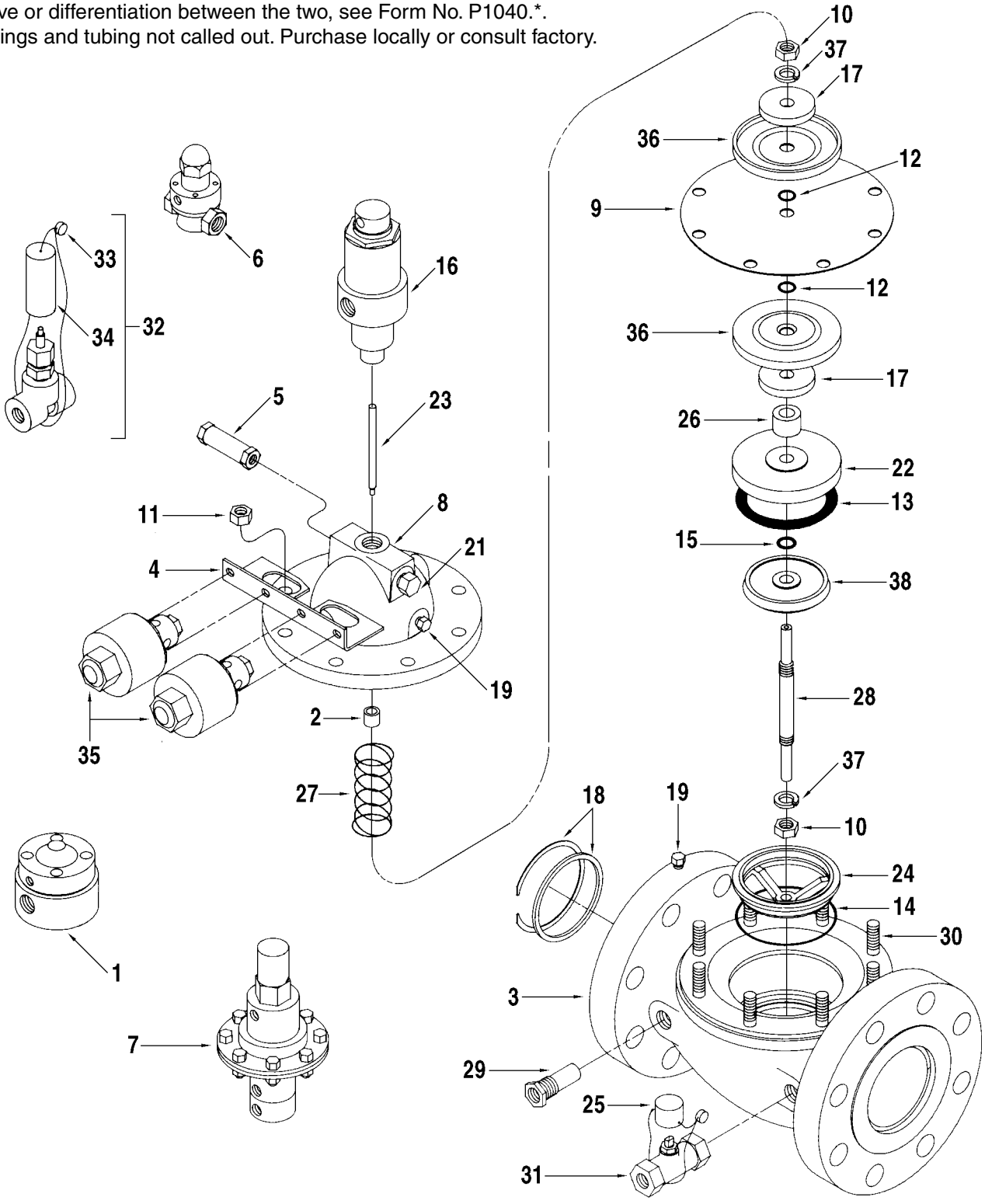
Valve, Hydraulic Set-Stop, Model 299, 3-Inch

Parts List

Issue/Rev. 0.2 (3/03)

Bulletin P1055.02

Current design main valve illustrated. For parts to previous design main valve or differentiation between the two, see Form No. P1040.*. Fittings and tubing not called out. Purchase locally or consult factory.



*The latest edition is indicated by a 2-digit postscript (e.g., .01, .02, etc.).

Item		Description	Qty.	Part Number
1	@1	Accelerator, Model 21A	1	See Note
2		Bearing:		
		Bronze	1	009971-400
		Steel	1	524262-012
		Stainless Steel	1	526389-012
		PTFE[1] Valve	1	529675-001
3		Body:		
		Class 150	1	529426-001
		Class 300	1	529426-002
4		Bracket	1	526355-001
5	@2	Check Feature, Model 10B	1	See Note
6	@3	Check Feature, Diaphragm, Model 12	1	See Note
7	@4	Control, Rate of Flow, Model 40A	1	See Note
8		Cover:		
		Standard	1	529425-091
		Epoxy Coated	1	529425-031
9	+	Diaphragm:		
		Buna-N	1	507391-001
		Low Swell Buna	1	507391-008
		Viton	1	507391-002
		EPR	1	507391-005
		Gylon	1	507391-007
10		Nut, Stem, 1/2"-20	2	640671-001
11		Nut, Stud, 7/16"-14	8	006618-002
12	+	O-Ring, Diaphragm:		
		Buna-N	2	640887-008
		Viton	2	640798-414
		EPR	2	641558-408
		PTFE[1]	2	645487-403
13	R+	O-Ring, Retainer:		
		Low Swell Buna	1	507568-008
		Viton	1	507568-003
		EPR	1	507568-005
		PTFE[1]	1	507568-007
14	+	O-Ring, Seat:		
		Buna-N	1	640887-423
		Viton	1	640798-436
		EPR	1	641558-421
		PTFE[1]	1	645487-404
15	+	O-Ring, Stem:		
		Buna-N	1	640913-003
		Viton	1	641276-403
		EPR	1	641559-403
		PTFE[1]	1	645487-405
16	@5	Pilot, Set-Stop, Model 196	1	See Note
17		Plate, Back-Up	2	529437-001
18	@6	Plate, Orifice	1	See Note
19		Plug, 1/8" NPT Pipe	#	644522-401
20		Plug, 1/2" NPT Pipe	#	006505-002
21		Plug, 3/8" NPT Pipe	1	003131-402
22		Retainer, O-Ring:		
		Ductile Iron - Standard	1	507692-003
		Epoxy Coated	1	507692-004
		PTFE[1] Valve	1	507692-006
23		Rod, Actuator	1	510721-003

1 Polytetrafluoroethylene (PTFE).

Item		Description	Qty.	Part Number
24		Seat:		
		Bronze	1	528432-002
		Ni-Resist	1	528432-003
		Stainless Steel	1	529500-001
		PTFE[1] Valve	1	529500-002
25		Shell	1	643706-403
26		Spacer:		
		Steel - Standard	1	529435-002
		Epoxy Coated	1	529435-003
		PTFE[1] Valve	1	529435-006
27		Spring:		
		Standard	1	507756-001
		Used with Gylon Diaphragm	1	525351-003
28		Stem	1	529434-001
29		Strainer, Model 09SC	1	528341-002
30		Stud	8	642361-403
31		Valve, Ball, Model 03A	1	529313-002
32		Valve, Needle, Model 13	3	527065-001
33		Seal, Lead, and Wire	1	001627-400
34		Shell	1	643706-401
35	@7	Valve, Solenoid, Model 31	2	See Note
36		Washer, Diaphragm:		
		Standard	2	529436-001
		PTFE[1] Valve	2	529436-006
37		Washer, Lock Spring	2	002788-401
38		Washer, O-Ring:		
		Ductile Iron - Standard	1	528914-001
		Epoxy Coated	1	528914-002
		PTFE[1] Valve	1	528914-004

+ Recommended stock.

Order quantity required.

R Indicates change since last revision.

@1 See Form No. P1001.* for component parts.

@2 See Form No. P1005.* for component parts.

@3 See Form No. P1006.* for component parts.

@4 See Form No. P1023.* for component parts.

@5 See Form No. P1024.* for component parts.

@6 Contact Smith Meter Inc. Sales Office for ordering instructions.

@7 See Form No. P1025.* for ordering instructions.

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1 Polytetrafluoroethylene (PTFE).

Editorial Change: 11/13: Items 2, 12, 13, 14, 15, 22, 24, 26, 36, 38 - material reference changed to PTFE.

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The specifications contained herein are subject to change without notice and any user of said specifications should verify from the manufacturer that the specifications are currently in effect. Otherwise, the manufacturer assumes no responsibility for the use of specifications which may have been changed and are no longer in effect.

Contact information is subject to change. For the most current contact information, visit our website at www.fmctechnologies.com/measurementsolutions and click on the “Contact Us” link in the left-hand column.

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