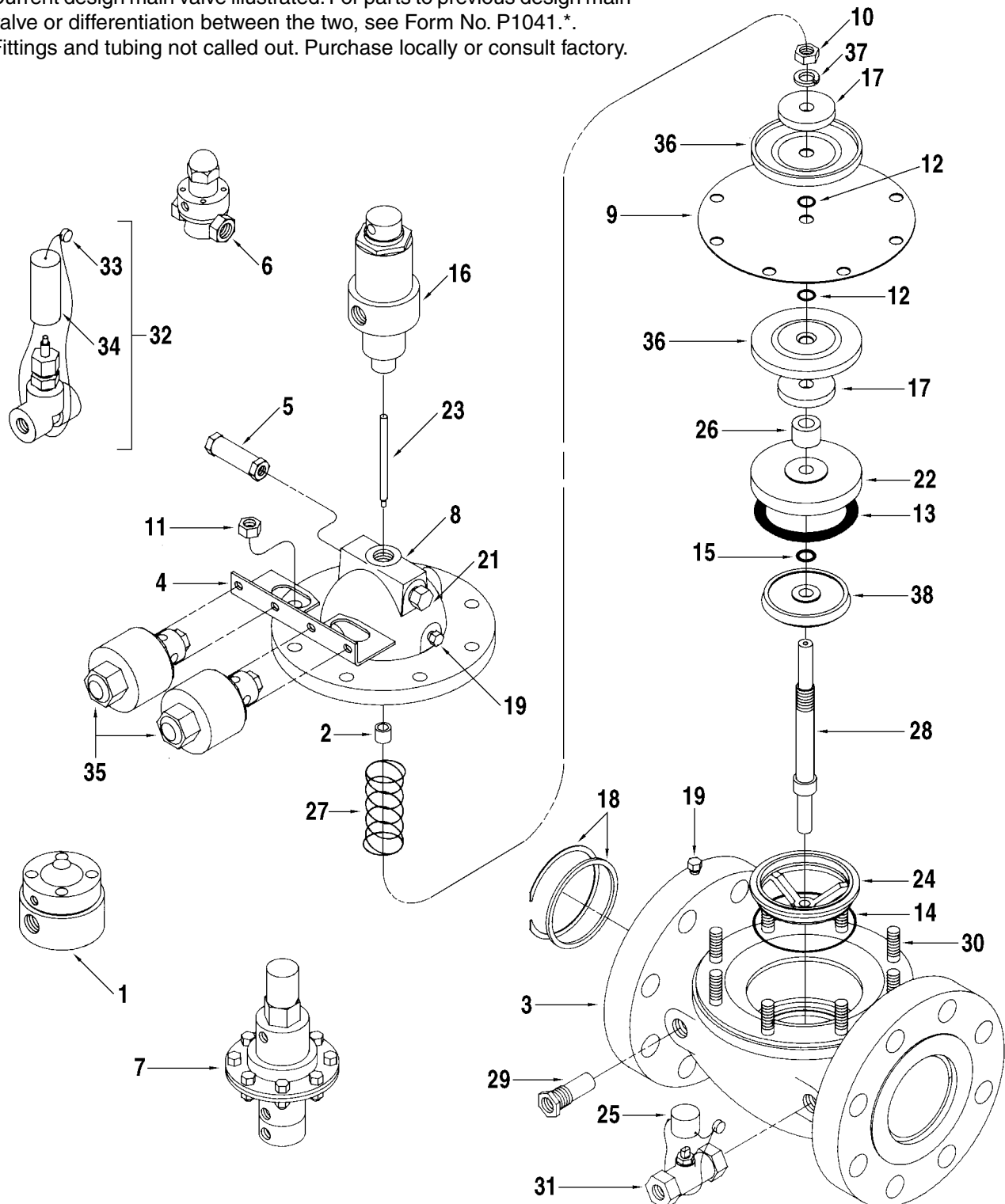


Current design main valve illustrated. For parts to previous design main valve or differentiation between the two, see Form No. P1041.*.
 Fittings and tubing not called out. Purchase locally or consult factory.



*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	640688-019
	R	Stainless Steel	1	529531-001
	R	Steel.....	1	524262-011
	R	Ni-Resist - For PTFE ¹ Valve.....	1	529531-003
3		Body:		
		Steel, 150#.....	1	528666-091
		Steel, 300#.....	1	528799-001
	R	Steel, 150# - Epoxy Coated	1	528666-031
	R	Steel, 300# - Epoxy Coated	1	528799-031
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:		
		Steel - Standard.....	1	528760-091
	R	Epoxy Coated	1	528760-031
	R	Steel - For PTFE ¹ Valve	1	529690-001
9	+	Diaphragm:		
		Buna-N.....	1	507399-001
	R	Low Swell Buna	1	507399-009
		Viton.....	1	507399-002
		EPR	1	507399-005
	R	Gylon	1	507399-006
10		Nut, Stem	1	643756-402
11		Nut, Stud, 1/2"-13, UNC-2B:		
		Low Carbon Steel - Standard	8	002752-400
	R	High Tensile Carbon Steel - For PTFE ¹ Valve	10	006415-400
12	+	O-Ring, Diaphragm:		
		Buna-N.....	2	640887-418
		Viton.....	2	640798-416
		EPR	2	641558-417
	R	PTFE ¹	2	645487-410
13	+	O-Ring, Retainer:		
		Buna-N.....	1	507571-001
	R	Low Swell Buna	1	507571-008
		Viton.....	1	507571-003
		EPR	1	507571-005
	R	PTFE ¹	1	507571-006
14	+	O-Ring, Seat:		
		Buna-N.....	1	640887-422
		Viton.....	1	640798-434
		EPR	1	641558-422
	R	PTFE ¹	1	645487-412
15	+	O-Ring, Stem:		
		Buna-N.....	1	640913-005
		Viton.....	1	641276-405
		EPR	1	641559-405
	R	PTFE ¹	1	645487--411
16	@5	Pilot, Set-Stop, Model 196.....	1	See Note
17		Plate, Back-Up:		
		Steel - Standard.....	2	528659-001
	R	Epoxy Coated Steel - For PTFE ¹ Valve.....	2	528659-002
18	@6	Plate, Orifice.....	1	See Note

¹ Polytetrafluoroethylene (PTFE).

Item	Description	Qty.	Part Number
19	Plug, 1/8" NPT Pipe.....	#	644522-401
20	Plug, 1/2" NPT Pipe.....	#	006505-002
21	Plug, 3/8" NPT Pipe.....	1	006023-002
22	Retainer, O-ring:		
	Ductile Iron - Standard.....	1	507705-004
	R Ductile Iron - Epoxy Coated.....	1	507705-005
	R Ductile Iron - Nickel Coated - For PTFE ¹ Valve.....	1	507705-007
23	Rod, Actuator	1	510721-004
24	Seat:		
	Bronze	1	528406-001
	Stainless Steel	1	528406-002
	Ni-Resist	1	528406-004
	R Ni-Resist - For PTFE ¹ Valve.....	1	528406-005
25	Shell	1	643706-403
26	Spacer:		
	Steel - Standard.....	1	524198-004
	R Epoxy Coated Steel - For PTFE ¹ Valve.....	1	524198-005
27	Spring.....	1	525351-003
28	Stem.....	1	528658-001
29	Strainer, Model 09SC	1	528341-002
30	Stud:		
	Steel - 1/2-13 x 2" - Standard	8	642362-407
	R Zinc Coated Steel - 1/2-13 x 2" - For PTFE ¹ Valve	6	643823-410
	R Zinc Coated Steel - 1/2-13 x 2-3/4" - For PTFE ¹ Valve	2	643823-409
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	528660-001
	R Epoxy Coated	2	528660-006
	R PTFE ¹ Valve	2	528660-005
37	Washer, Lock Spring	1	643164-406
38	Washer, O-Ring:		
	Ductile Iron - Standard.....	1	528913-001
	R Epoxy Coated Ductile Iron	1	528913-002
	R Stainless Steel - For PTFE ¹ Valve.....	1	508038-005

+ 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, 8, 11, 12, 13, 14, 15, 17, 22, 24, 26, 30, 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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