

Pressure Systems

Size	Material	Max. Flow (USGPM)	System Form No.	System Equipment			
				Air Eliminator	Strainer	Meter	Air Sense Block Valve
3"	Iron & Alum.	150	AB01006	T3A-1		T-20	2-1/2" BV
3"	Duct. Iron	400	AB01007	AR3-1030-1P+	34-E3	SD-30-DI	2-1/2" BV
3"	Steel	400	AB01008	AR3-1030-1P+	34-E3	SD3-SI	3" 200-23*
4"	Steel	720	AB01009	AR4-2040-1P+	44-E3	F4-SI	4" 200-23*
6"	Steel	1,200	AB01010	AR6-3050-1P+	66-E3	G6-SI	6" 200-23*

+ Horizontal air eliminators with petro-gard type RB heads for standard service are listed. For systems where air elimination is particularly troublesome, petro-gard type DE (Dual Electric) heads are recommended. Also available are space-saving vertical air eliminators in the following sizes/models: 3"VAR-3-1, 4"VAR-4-1, and 6"VAR-6-1.

* Also add 03A (closing/opening speed control) and 09SC (strainer).

Approximate System Pressure Drop (ΔP)

System Form No.	AP (psi) at Flow (GPM)								
	100	200	300	400	600	720	800	1,000	2,000
AB01006	8	9	-	-	-	-	-	-	-
AB01007	9	11	18	34	-	-	-	-	-
AB01008	4	7	13	23	-	-	-	-	-
AB01009	4	6	9	11	21	30	-	-	-
AB01010	6	8	9	10	13	15	16	20	26

Data based on a 2.0 centipoise (cP).
0.82 specific gravity (sp. gr.) liquid.

Viscosity Effect on ΔP

Viscosity Centipoise	Approximate ΔP Multiplier*
10	1.02
200	1.10
500+	1.14
1,000+	1.17
2,000+	1.22

+ Meter with high viscosity clearances.

* At 0.82 sp. gr.; for other sp. gr. products:

$$\Delta P @ \text{sp. gr.} = \frac{\text{sp. gr.}}{0.82} \times \Delta P @ 0.82 \text{ sp. gr.}$$

Application Notes

Standard

Viscosity: Up to 200 SSU.

Temperature: -20°F to 150°F.

Pressure: 150 psig maximum working pressure.

Optional

Viscosity: Up to 2,000 SSU, substitute 09Y/03A Strainer. Use larger tubing: Over 2,000 SSU, consult factory.

Temperature: 150°F to 200°F, add special high temperature meter clearances. Other temperatures, consult factory.

Pressure: Over 150 psi, consult factory.

Accessory Notes

Standard

Meter Registration: Gallons - Model 2612G LNC/TP.2-1/2 BV: Fittings not included.

Optional

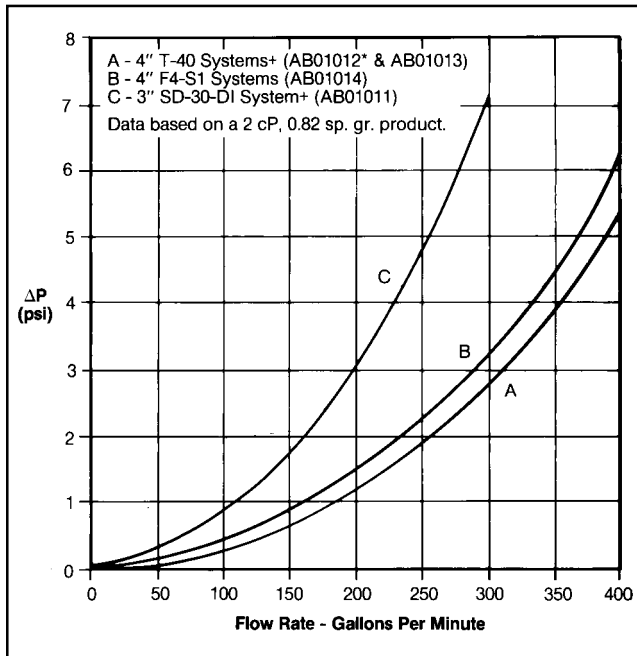
Meter Registration: Barrels, pounds, tons, liters, cubic meters, or kilograms.

ATC: Automatic Temperature Compensator - Special bulb filling, and possibly special meter gearing required for fluid temperatures other than 0°F to 150°F.

Gravity Systems

Size	Material	Max. Flow (USGPM)	System Form No.	System Equipment			Sumping Elbows Size
				Air Eliminator	Strainer	Meter	
3"	Ductile Iron	300	AB01011	AR3-1030-1	34-E3	SD-30-DI	3"
4"	Iron & Alum	250	AB01012	TEB-30			4"
4"	Cast Iron	400	AB01013	AR4-2040-1	Cone Type	T-40	4"
4"	Steel	400	AB01014	AR4-2040-1	44-E3	F4-SI	4"

Approximate System Pressure Drop ΔP



+ System Pressure Drop includes 2 - 90° Sumping Elbows.
 * The TEB-30 limits flow to approximately 250 gpm.

Application Notes

Standard

Products: Gasoline, diesel fuel, #2 fuel oil, or similar low viscosity products.
 Temperature: -20°F to 150°F.

Accessory Notes

Standard

Meter Registration: Gallons - Model 2612G LNC/TP.

Optional

Meter Registration: Barrels, pounds, tons, liters, cubic meters, or kilograms.

ATC: Automatic Temperature Compensator - Special bulb filling, and possibly special meter gearing required for fluid temperatures other than 0°F to 150°F.

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.

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