



# Electronic Products

ELECTRONIC APPLICATION

## Pressure Tank

The SubDrive/MonoDrive needs only a small pressure tank to maintain constant pressure. (See Table 60 for recommended tank size.) For pumps rated 12 gpm (45.4 lpm) or more, a slightly larger tank is recommended for optimum pressure regulation. The SubDrive/MonoDrive can also use an existing tank with a much larger capacity.

**Table 60 Minimum Pressure Tank Size (Total Capacity)**

PUMP FLOW RATING	CONTROLLER MODEL	MINIMUM TANK SIZE
Less than 12 gpm (45.4 lpm)	SubDrive15, SubDrive75 or MonoDrive	2 gallons (7.6 liters)
	SubDrive20 or SubDrive100	4 gallons (15.1 liters)
	SubDrive30, SubDrive150 or MonoDriveXT	4 gallons (15.1 liters)
	SubDrive300	8 gallons (30.3 liters)
12 gpm and higher (45.4 lpm)	SubDrive15, SubDrive75 or MonoDrive	4 gallons (15.1 liters)
	SubDrive20 or SubDrive100	8 gallons (30.3 liters)
	SubDrive30, SubDrive150 or MonoDriveXT	8 gallons (30.3 liters)
	SubDrive300	20 gallons (75.7 liters)
All flows	SubDrive2W	20 gallons (75.7 liters)

**Table 60A Pressure Tank Pre-charge (PSI)**

SYSTEM PRESSURE (AT PRESSURE SENSOR)	PRESSURE TANK SETTING (±2 PSI)
25	18
30	21
35	25
40	28
45	32
50 (Factory Set)	35
55	39
60	42
65	46
70	49
75	53
80	56

1 PSI = 0.068 bar

**Note:** Check tank pre-charge regularly to maintain optimum pressure regulation.

**Table 60B Minimum Pipe Diameter**

MAXIMUM VELOCITY 8 FT/SEC. (2.4 M/S)	
MIN PIPE DIA	MAX GPM (LPM)
1/2"	4.9 (18.5)
3/4"	11.0 (41.6)
1"	19.6 (74.2)
1-1/4"	30.6 (115.8)
1-1/2"	44.1 (166.9)
2"	78.3 (296.4)
2-1/2"	176.3 (667.4)