(4) DIMENSIONAL CHART OF uPVC PIPES AS PER ASTM D 1785 PIPES SUITABLE FOR SOLVENT CEMENT WELD AND CAM LOCK JOINT PRESSURE RATINGS CALCULATED ON THE BASIS OF ISO EQUATION Schedule 120 Nominal Mean Outside Schedule 40 Schedule 80 Sizes in Diameter in Working Wall Thickness Wall Thickness Working Working Wall Thickness "inches" mm Pressure Pressure Pressure in mm in mm in mm in kg / cm² in kg/cm² in kg / cm² Max Min Max Min Min Min Max Max 3.3 1/2 21.2 21.4 43.5 2.8 60.4 3.7 4.2 72.7 4.3 4.9 2.9 55.1 3/4 26.6 26.8 34.9 3.4 49.1 3.9 4.4 4.3 4.9 33.5 3.4 5.1 5.7 1 33.3 32.5 3.9 45.8 4.6 51.7 5.1 5.5 11/4 42.0 42.3 26.8 3.6 4.1 37.7 4.9 5.4 43.0 6.1 3.7 5.7 5.7 48.1 48.4 23.8 @4.2 33.9 5.1 38.4 6.4 11/2 60.5 28.7 5.5 6.2 2 60.2 19.8 3.9 4.4 34.0 6.4 7.1 73.2 5.2 72.8 22.0 5.8 7.0 7.9 33.3 7.6 8.5 21/2 30.4 89.1 5.5 7.6 8.5 8.9 88.7 18.9 6.2 26.8 31.9 10.0 3 114.1 114.5 15.9 6.0 6.7 23.3 8.6 9.6 11.1 12.4 4 30.8 5 141.1 141.6 14.0 6.6 7.3 20.6 9.5 10.7 28.2 12.7 14.2 6 168.0 168.6 12.6 7.1 8.0 20.0 11.0 12.3 26.6 14.3 16.0 8 218.7 219.5 8.2 9.2 17.6 14.2 25.9 11.1 12.7 18.2 20.4 272.7 273.4 10.1 9.3 10.4 16.7 15.1 16.9 24.0 10 24.3 21.4 12 323.5 324.2 9.4 10.3 11.6 16.3 17.5 20.5 24.3 25.4 28.5 355.2 14 356.0 9.2 11.1 12.5 16.2 19.1 21.3 16 405.9 406.9 9.2 12.7 14.2 15.9 21.4 24.0 457.7 18 456.7 9.2 14.3 16.0 15.7 23.8 26.6 20 507.4 508.6 8.8 15.1 16.9 15.6 26.2 29.3 24 610.4 8.5 17.5 19.5 15.3 30.9 608.8 34.7 TEMPERATURE CORRECTION OR DERATING FACTORS 0F 70 90 125 130 Operating 80 100 110 115 120 140 Temperat O C 21 27 32 38 43 46 49 52 54 60 ure 0.88 0.22 0.62 0.45 0.35 **PVC 1120** 1.00 0.75 0.50 0.40 0.30 Note: 1) PVC 1120 is the recommended grade of uPVC material in ASTM D 1784 & 1785 having a Hydrostatic Design Stress of 14 Mpa (or 2000 psi) 2) To obtain working pressure at a different operating temperature, the above mentioned working pressure should be multiplied by the respective correction or derating factor. For example, the working pressure for 2" x Schedule 80 pipes at 110° F or 43° C should be 28.0 x 0.5 or 14.0 kg/cm

3) For Threaded joints the working pressures mentioned above should be halved