

iH²O INSULATED PIPE



iH2O PRE-INSULATED PCA DUCT (R>1.5)

SERVICE PIPE/CASING: HDPE/HDPE BLACK

SPECIFICATION: SDR 33

Service Pipe Material:

PE100 S1 HDPE (k = 0.43 W/m^oK)

Insulation Material:

DPE1783R PUR (k = 0.024 W/m^oK)

Casing Material:

PE100 S1 HDPE (k = 0.43 W/m^oK)

Pipe Diameter (mm)	Equivalent Imperial & Flange Compability ⁽¹⁾ (inch)	Pressure Class		NB (mm)	Casing (PE100 S1 HDPE Black) --- OD/ID (mm)														Dry mass of iH2O insulated pipe* (standard stock items)
					250	235	280	263	315	296	355	338	400	380	450	428	500	476	
		PN	SDR		PUR_Thk (mm)	R-Val (m²K/W)	PUR_Thk (mm)	R-Val (m²K/W)	PUR_Thk (mm)	R-Val (m²K/W)	PUR_Thk (mm)	R-Val (m²K/W)	PUR_Thk (mm)	R-Val (m²K/W)	PUR_Thk (mm)	R-Val (m²K/W)	PUR_Thk (mm)	R-Val (m²K/W)	Dry Mass of insulated pipe (kg/m)
160	5" ⁽¹⁾ & 6"	5	33	150.3	37.4	1.89	51.5	2.73									10.8		
200	6" ⁽¹⁾ & "8	5	33	187.9			31.5	1.52	48.0	2.43							14.1		
225	8"	5	33	211.4					35.5	1.71	56.3	2.87					15.9		
250	8" ⁽¹⁾ & 10"	5	33	234.8							43.8	2.14					20.1		
280	10"	5	33	263.0									50.2	2.45			20.8		
315	10" ⁽¹⁾ & 12"	5	33	295.9									32.7	1.53	56.5	2.76	26.4		
355	12" ⁽¹⁾ & 14"	5	33	333.5											36.5	1.71	60.3	2.93	32.7
400	14" ⁽¹⁾ & 16"	5	33	375.8													37.8	1.76	41.2

BLUE BLOCKS DENOTE STANDARD STOCK ITEMS

*Dry mass of insulated pipe = Service pipe mass + PUR insulation mass + Casing mass

NOTE⁽¹⁾ SPECIAL FULL FACE ADAPTOR FLANGE REQUIRED