



CHILLED WATER iH2O PRE-INSULATED PIPING (R>2.2)

SERVICE PIPE/CASING: CARBON STEEL/SPIRAL GALV STEEL

SPECIFICATION: SCHEDULE 40

Service Pipe Material:

Carbon Steel (k = 46.7 W/m^oK)

Insulation Material:

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

Casing Material:

Z275 Galv Steel (k = 50 W/m^oK)

Pipe Diameter (mm)	Equivalent Imperial (in)	Class		NB (mm)	Casing (Z275 Galvanized steel--Spiral Wound) --- Outer Diameter (mm)																						Dry & Wet mass of iH2O insulated pipe* (standard stock items)	
					152		178		203		229		254		305		330		400		450		508		610			
		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)	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)	Wet Mass of insulated pipe (kg/m)
60.3	2"	40	3.91	52.5	45.9	2.90	58.9	3.98																			8.2	10.4
73.0	2 1/2"	40	5.16	62.7	39.5	2.30	52.5	3.28	65.0	4.29																	12.1	15.1
88.9	3"	40	5.49	77.9			44.6	2.55	57.1	3.46	70.1	4.48															15.3	20.1
114.3	4"	40	6.02	102.3					44.4	2.41	57.4	3.29	69.9	4.19													20.7	28.9
141.3	5"	40	6.55	128.2							43.9	2.28	56.4	3.08	81.9	4.85											26.9	39.8
168.3	6"	40	7.11	154.1											42.9	2.16	68.4	3.75	80.9	4.59								
219.1	8"	40	8.18	202.7													43.0	2.08	55.5	2.79	90.5	4.97						
273.1	10"	40	9.27	254.6																			63.5	3.15	88.5	4.64		
323.9	12"	40	10.31	303.3																					38.1	1.74	63.1	3.06
355.6	14"	40	11.13	333.3																							47.2	2.19
406.4	16"	40	12.70	381.0																								
457.0	18"	40	14.27	428.5																								
508.0	20"	40	15.09	477.8																								

BLUE BLOCKS DENOTE STANDARD STOCK ITEMS

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

Wet mass of insulated pipe = Dry mass of insulated pipe + Service fluid (water) mass





CHILLED WATER iH2O PRE-INSULATED PIPING (R>2.2)

SERVICE PIPE/CASING: CARBON STEEL/SPIRAL OFF WHITE

SPECIFICATION: SCHEDULE 40

Service Pipe Material:

Carbon Steel (k = 46.7 W/m^oK)

Insulation Material:

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

Casing Material:

Painted Steel (k = 50 W/m^oK)

Pipe Diameter (mm)	Equivalent Imperial (in)	Class		NB (mm)	Casing (Off White--Spiral Wound) --- Outer Diameter (mm)																						Dry & Wet mass of iH2O insulated pipe* (standard stock items)	
					152		178		203		229		254		305		330		400		450		508		610			
		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)	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)	Wet Mass of insulated pipe (kg/m)
60.3	2"	40	3.91	52.5	45.9	2.90	58.9	3.98																		8.2	10.4	
73.0	2 1/2"	40	5.16	62.7	39.5	2.30	52.5	3.28	65.0	4.29																12.1	15.1	
88.9	3"	40	5.49	77.9			44.6	2.55	57.1	3.46	70.1	4.48														15.3	20.1	
114.3	4"	40	6.02	102.3					44.4	2.41	57.4	3.29	69.9	4.19												20.7	28.9	
141.3	5"	40	6.55	128.2							43.9	2.28	56.4	3.08	81.9	4.85										26.9	39.8	
168.3	6"	40	7.11	154.1									42.9	2.16	68.4	3.75	80.9	4.59								34.9	53.6	
219.1	8"	40	8.18	202.7											43.0	2.08	55.5	2.79	90.5	4.97						49.4	81.7	
273.1	10"	40	9.27	254.6															63.5	3.15	88.5	4.64				69.1	119.9	
323.9	12"	40	10.31	303.3															38.1	1.74	63.1	3.06	92.1	4.72		89.6	161.9	
355.6	14"	40	11.13	333.3																	47.2	2.19	76.2	3.74		106.6	193.8	
406.4	16"	40	12.70	381.0																			50.8	2.34	101.8	5.12	133.8	247.8
457.0	18"	40	14.27	428.5																					76.5	3.64	170.4	314.6
508.0	20"	40	15.09	477.8																					51.0	2.31	196.1	375.4

BLUE BLOCKS DENOTE STANDARD STOCK ITEMS

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

Wet mass of insulated pipe = Dry mass of insulated pipe + Service fluid (water) mass



CHILLED WATER iH2O PRE-INSULATED PIPING (R>2.2)

SERVICE PIPE/CASING: CARBON STEEL/SPIRAL CAUFIELD GREEN

SPECIFICATION: SCHEDULE 40

Service Pipe Material:

Carbon Steel (k = 46.7 W/m°K)

Insulation Material:

DPE1783R PUR (k = 0.024 W/m°K)

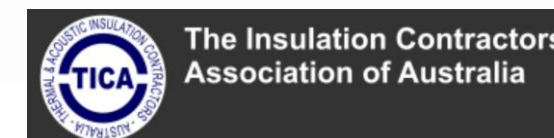
Casing Material:

Painted Steel (k = 50 W/m°K)

Pipe Diameter (mm)	Equivalent Imperial (in)	Class		NB (mm)	Casing (Caufield Green--Spiral Wound) --- Outer Diameter (mm)																						Dry & Wet mass of iH2O insulated pipe* (standard stock items)	
					152		178		203		229		254		305		330		400		450		508		610			
		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)	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)	Wet Mass of insulated pipe (kg/m)
60.3	2"	40	3.91	52.5	45.9	2.90	58.9	3.98																		8.2	10.4	
73.0	2 1/2"	40	5.16	62.7	39.5	2.30	52.5	3.28	65.0	4.29																12.1	15.1	
88.9	3"	40	5.49	77.9			44.6	2.55	57.1	3.46	70.1	4.48														15.3	20.1	
114.3	4"	40	6.02	102.3					44.4	2.41	57.4	3.29	69.9	4.19												20.7	28.9	
141.3	5"	40	6.55	128.2							43.9	2.28	56.4	3.08	81.9	4.85										26.9	39.8	
168.3	6"	40	7.11	154.1									42.9	2.16	68.4	3.75	80.9	4.59								34.9	53.6	
219.1	8"	40	8.18	202.7											43.0	2.08	55.5	2.79	90.5	4.97						49.4	81.7	
273.1	10"	40	9.27	254.6															63.5	3.15	88.5	4.64				69.1	119.9	
323.9	12"	40	10.31	303.3															38.1	1.74	63.1	3.06	92.1	4.72		89.6	161.9	
355.6	14"	40	11.13	333.3																	47.2	2.19	76.2	3.74		106.6	193.8	
406.4	16"	40	12.70	381.0																			50.8	2.34	101.8	5.12	133.8	247.8
457.0	18"	40	14.27	428.5																					76.5	3.64	170.4	314.6
508.0	20"	40	15.09	477.8																					51.0	2.31	196.1	375.4

BLUE BLOCKS DENOTE STANDARD STOCK ITEMS

*Dry mass of insulated pipe = Service pipe mass + PUR insulation mass + Casing mass,
Wet mass of insulated pipe = Dry mass of insulated pipe + Service fluid (water) mass





CHILLED WATER iH2O PRE-INSULATED PIPING (R>2.2)

SERVICE PIPE/CASING: CARBON STEEL/SPIRAL HERITAGE RED

SPECIFICATION: SCHEDULE 40

Service Pipe Material:

Carbon Steel (k = 46.7 W/m^oK)

Insulation Material:

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

Casing Material:

Painted Steel (k = 50 W/m^oK)

Pipe Diameter (mm)	Equivalent Imperial (in)	Class		NB (mm)	Casing (Heritage Red--Spiral Wound) --- Outer Diameter (mm)																						Dry & Wet mass of iH2O insulated pipe* (standard stock items)	
					152		178		203		229		254		305		330		400		450		508		610			
		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)	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)	Wet Mass of insulated pipe (kg/m)
60.3	2"	40	3.91	52.5	45.9	2.90	58.9	3.98																		8.2	10.4	
73.0	2 1/2"	40	5.16	62.7	39.5	2.30	52.5	3.28	65.0	4.29																12.1	15.1	
88.9	3"	40	5.49	77.9			44.6	2.55	57.1	3.46	70.1	4.48														15.3	20.1	
114.3	4"	40	6.02	102.3					44.4	2.41	57.4	3.29	69.9	4.19												20.7	28.9	
141.3	5"	40	6.55	128.2							43.9	2.28	56.4	3.08	81.9	4.85										26.9	39.8	
168.3	6"	40	7.11	154.1									42.9	2.16	68.4	3.75	80.9	4.59								34.9	53.6	
219.1	8"	40	8.18	202.7											43.0	2.08	55.5	2.79	90.5	4.97						49.4	81.7	
273.1	10"	40	9.27	254.6															63.5	3.15	88.5	4.64				69.1	119.9	
323.9	12"	40	10.31	303.3															38.1	1.74	63.1	3.06	92.1	4.72		89.6	161.9	
355.6	14"	40	11.13	333.3																	47.2	2.19	76.2	3.74		106.6	193.8	
406.4	16"	40	12.70	381.0																			50.8	2.34	101.8	5.12	133.8	247.8
457.0	18"	40	14.27	428.5																					76.5	3.64	170.4	314.6
508.0	20"	40	15.09	477.8																					51.0	2.31	196.1	375.4

BLUE BLOCKS DENOTE STANDARD STOCK ITEMS

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

Wet mass of insulated pipe = Dry mass of insulated pipe + Service fluid (water) mass

iH²O INSULATED PIPE



CHILLED WATER iH₂O PRE-INSULATED PIPING (R>2.2)

SERVICE PIPE/CASING: CARBON STEEL/SPIRAL EBONY

SPECIFICATION: SCHEDULE 40

Service Pipe Material:

Carbon Steel (k = 46.7 W/m^oK)

Insulation Material:

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

Casing Material:

Painted Steel (k = 50 W/m^oK)

Pipe Diameter (mm)	Equivalent Imperial (in)	Class		NB (mm)	Casing (Ebony--Spiral Wound) --- Outer Diameter (mm)																						Dry & Wet mass of iH2O insulated pipe* (standard stock items)	
					152		178		203		229		254		305		330		400		450		508		610			
		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)	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)	Wet Mass of insulated pipe (kg/m)
60.3	2"	40	3.91	52.5	45.9	2.90	58.9	3.98																		8.2	10.4	
73.0	2 1/2"	40	5.16	62.7	39.5	2.30	52.5	3.28	65.0	4.29																12.1	15.1	
88.9	3"	40	5.49	77.9			44.6	2.55	57.1	3.46	70.1	4.48														15.3	20.1	
114.3	4"	40	6.02	102.3					44.4	2.41	57.4	3.29	69.9	4.19												20.7	28.9	
141.3	5"	40	6.55	128.2							43.9	2.28	56.4	3.08	81.9	4.85										26.9	39.8	
168.3	6"	40	7.11	154.1									42.9	2.16	68.4	3.75	80.9	4.59								34.9	53.6	
219.1	8"	40	8.18	202.7											43.0	2.08	55.5	2.79	90.5	4.97						49.4	81.7	
273.1	10"	40	9.27	254.6															63.5	3.15	88.5	4.64				69.1	119.9	
323.9	12"	40	10.31	303.3															38.1	1.74	63.1	3.06	92.1	4.72		89.6	161.9	
355.6	14"	40	11.13	333.3																	47.2	2.19	76.2	3.74		106.6	193.8	
406.4	16"	40	12.70	381.0																			50.8	2.34	101.8	5.12	133.8	247.8
457.0	18"	40	14.27	428.5																					76.5	3.64	170.4	314.6
508.0	20"	40	15.09	477.8																					51.0	2.31	196.1	375.4

BLUE BLOCKS DENOTE STANDARD STOCK ITEMS

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

Wet mass of insulated pipe = Dry mass of insulated pipe + Service fluid (water) mass



CHILLED WATER iH2O PRE-INSULATED PIPING (R>2.2)

SERVICE PIPE/CASING: CARBON STEEL/SPIRAL ALUMINUM

SPECIFICATION: SCHEDULE 40

Service Pipe Material:

Carbon Steel (k = 46.7 W/m°K)

Insulation Material:

DPE1783R PUR (k = 0.024 W/m°K)

Casing Material:

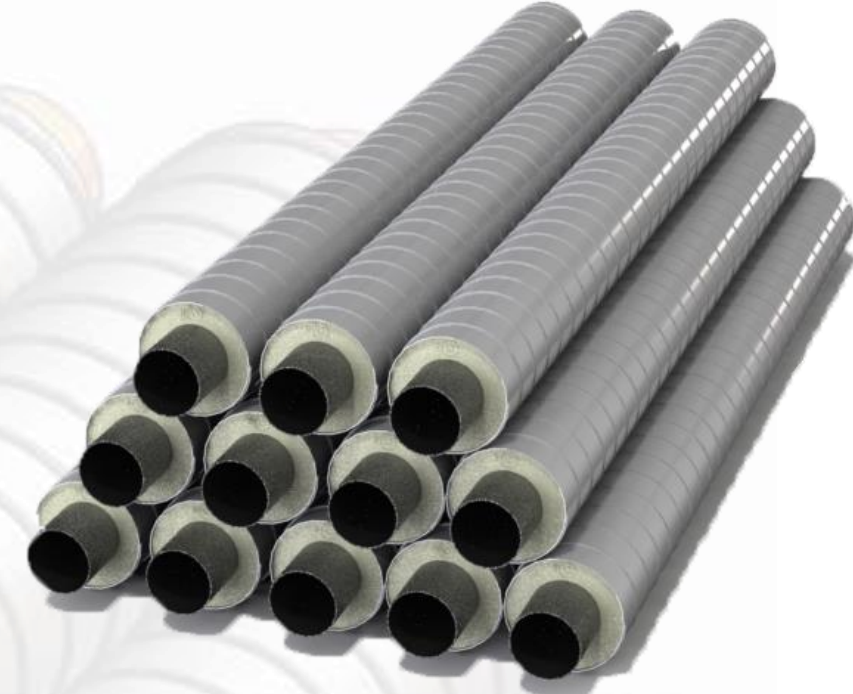
Aluminum (k = 205 W/m°K)

Pipe Diameter (mm)	Equivalent Imperial (in)	Class		NB (mm)	Casing (Aluminum--Spiral Wound) --- Outer Diameter (mm)																				Dry & Wet mass of iH2O insulated pipe* (standard stock items)			
					152		178		203		229		254		305		330		400		450		508				610	
		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)	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)	Wet Mass of insulated pipe (kg/m)
60.3	2"	40	3.91	52.5	45.9	2.90	58.9	3.98																	7.1	9.3		
73.0	2 1/2"	40	5.16	62.7	39.5	2.30	52.5	3.28	65.0	4.29															10.7	13.8		
88.9	3"	40	5.49	77.9			44.6	2.55	57.1	3.46	70.1	4.48													13.8	18.6		
114.3	4"	40	6.02	102.3					44.4	2.41	57.4	3.29	69.9	4.19											19.0	27.2		
141.3	5"	40	6.55	128.2							43.9	2.28	56.4	3.08	81.9	4.85									25.0	37.9		
168.3	6"	40	7.11	154.1									42.9	2.16	68.4	3.75	80.9	4.59							32.6	51.3		
219.1	8"	40	8.18	202.7											43.0	2.08	55.5	2.79	90.5	4.97					46.9	79.2		
273.1	10"	40	9.27	254.6															63.5	3.15	88.5	4.64			66.0	116.9		
323.9	12"	40	10.31	303.3															38.1	1.74	63.1	3.06	92.1	4.72			86.2	158.5
355.6	14"	40	11.13	333.3																	47.2	2.19	76.2	3.74			102.7	190.0
406.4	16"	40	12.70	381.0																			50.8	2.34	101.8	5.12	130.0	244.0
457.0	18"	40	14.27	428.5																					76.5	3.64	165.8	310.0
508.0	20"	40	15.09	477.8																					51.0	2.31	191.5	370.8

BLUE BLOCKS DENOTE STANDARD STOCK ITEMS

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

Wet mass of insulated pipe = Dry mass of insulated pipe + Service fluid (water) mass



CHILLED WATER iH2O PRE-INSULATED PIPING (R>2.2)

SERVICE PIPE/CASING: CARBON STEEL/SPIRAL STAINLESS STEEL

SPECIFICATION: SCHEDULE 40

Service Pipe Material:

Carbon Steel (k = 46.7 W/m°K)

Insulation Material:

DPE1783R PUR (k = 0.024 W/m°K)

Casing Material:

316L Stainless Steel (k = 13 W/m°K)

Pipe Diameter (mm)	Equivalent Imperial (in)	Class		NB (mm)	Casing (Stainless Steel 316L--Spiral Wound) --- Outer Diameter (mm)																				Dry & Wet mass of iH2O insulated pipe* (standard stock items)			
					152		178		203		229		254		305		330		400		450		508				610	
		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)	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)	Wet Mass of insulated pipe (kg/m)
60.3	2"	40	3.91	52.5	45.9	2.90	58.9	3.98																		8.1	10.2	
73.0	2 1/2"	40	5.16	62.7	39.5	2.30	52.5	3.28	65.0	4.29																11.9	15.0	
88.9	3"	40	5.49	77.9			44.6	2.55	57.1	3.46	70.1	4.48														15.1	19.9	
114.3	4"	40	6.02	102.3					44.4	2.41	57.4	3.29	69.9	4.19												20.5	28.7	
141.3	5"	40	6.55	128.2							43.9	2.28	56.4	3.08	81.9	4.85										26.7	39.6	
168.3	6"	40	7.11	154.1									42.9	2.16	68.4	3.75	80.9	4.59								34.6	53.3	
219.1	8"	40	8.18	202.7											43.0	2.08	55.5	2.79	90.5	4.97						49.1	81.4	
273.1	10"	40	9.27	254.6															63.5	3.15	88.5	4.64				68.7	119.6	
323.9	12"	40	10.31	303.3															38.1	1.74	63.1	3.06	92.1	4.72		89.2	161.5	
355.6	14"	40	11.13	333.3																	47.2	2.19	76.2	3.74		106.1	193.4	
406.4	16"	40	12.70	381.0																			50.8	2.34	101.8	5.12	133.3	247.3
457.0	18"	40	14.27	428.5																					76.5	3.64	169.9	314.1
508.0	20"	40	15.09	477.8																					51.0	2.31	195.6	374.9

BLUE BLOCKS DENOTE STANDARD STOCK ITEMS

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

Wet mass of insulated pipe = Dry mass of insulated pipe + Service fluid (water) mass

iH²O INSULATED PIPE



CHILLED WATER iH₂O PRE-INSULATED PIPING (R>2.2)

SERVICE PIPE/CASING: CARBON STEEL/PE100 S1 HDPE BLACK

SPECIFICATION: SCHEDULE 40

Service Pipe Material:

Carbon Steel (k = 46.7 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 (in)	Class		NB (mm)	Casing (PE100 S1 HDPE Black) --- OD/ID (mm)																				Dry & Wet mass of iH2O insulated pipe* (standard stock items)			
					160	150	200	188	225	211	250	235	280	263	355	338	400	380	450	428	500	476	560	533			630	599
		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)	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)	Wet Mass of insulated pipe (kg/m)
60.3	2"	40	3.91	52.5	45.0	3.24	63.8	4.43																	8.4	10.6		
73.0	2 1/2"	40	5.16	62.7	38.7	2.25	57.4	3.68	69.2	4.64															11.6	14.6		
88.9	3"	40	5.49	77.9			49.5	2.92	61.2	3.80															15.9	20.6		
114.3	4"	40	6.02	102.3			36.8	1.94	48.5	2.70	60.3	3.51													21.8	30.0		
141.3	5"	40	6.55	128.2					35.0	1.77	46.8	2.48	60.9	3.40											28.6	41.5		
168.3	6"	40	7.11	154.1									47.4	2.45	84.7	4.88									36.7	55.4		
219.1	8"	40	8.18	202.7											59.3	3.04	80.7	4.36							54.1	86.4		
273.1	10"	40	9.27	254.6													53.7	2.63	77.5	4.00					74.4	125.3		
323.9	12"	40	10.31	303.3															52.1	2.49	75.9	3.80			97.2	169.4		
355.6	14"	40	11.13	333.3																	60.0	2.89	88.5	4.48			116.2	203.5
406.4	16"	40	12.70	381.0																			63.1	3.01	96.4	4.85	150.2	264.2
457.0	18"	40	14.27	428.5																			37.8	1.72	71.1	3.39	189.9	334.1
508.0	20"	40	15.09	477.8																					45.6	2.08	215.6	394.9

BLUE BLOCKS DENOTE STANDARD STOCK ITEMS

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

Wet mass of insulated pipe = Dry mass of insulated pipe + Service fluid (water) mass

iH²O INSULATED PIPE



CHILLED WATER iH₂O PRE-INSULATED PIPING (R>2.2)

SERVICE PIPE/CASING: CARBON STEEL/PE100 S1 HDPE WHITE

SPECIFICATION: SCHEDULE 40

Service Pipe Material:

Carbon Steel (k = 46.7 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 (in)	Class		NB (mm)	Casing (PE100 S1 HDPE White) --- OD/ID (mm)																				Dry & Wet mass of iH2O insulated pipe* (standard stock items)			
					160	150	200	188	225	211	250	235	280	263	355	338	400	380	450	428	500	476	560	533			630	599
		Schedule Number	Thickness (mm)		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)	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)	Wet Mass of insulated pipe (kg/m)
60.3	2"	40	3.91	52.5	45.0	3.24	63.8	4.43																	8.4	10.6		
73.0	2 1/2"	40	5.16	62.7	38.7	2.25	57.4	3.68	69.2	4.64															11.6	14.6		
88.9	3"	40	5.49	77.9			49.5	2.92	61.2	3.80															15.9	20.6		
114.3	4"	40	6.02	102.3			36.8	1.94	48.5	2.70	60.3	3.51													21.8	30.0		
141.3	5"	40	6.55	128.2					35.0	1.77	46.8	2.48	60.9	3.40											28.6	41.5		
168.3	6"	40	7.11	154.1									47.4	2.45	84.7	4.88									36.7	55.4		
219.1	8"	40	8.18	202.7											59.3	3.04	80.7	4.36							54.1	86.4		
273.1	10"	40	9.27	254.6													53.7	2.63	77.5	4.00					74.4	125.3		
323.9	12"	40	10.31	303.3															52.1	2.49	75.9	3.80			97.2	169.4		
355.6	14"	40	11.13	333.3																	60.0	2.89	88.5	4.48			116.2	203.5
406.4	16"	40	12.70	381.0																			63.1	3.01	96.4	4.85	150.2	264.2
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508.0	20"	40	15.09	477.8																					45.6	2.08	215.6	394.9

BLUE BLOCKS DENOTE STANDARD STOCK ITEMS

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

Wet mass of insulated pipe = Dry mass of insulated pipe + Service fluid (water) mass