Plantware

Insulation

P-Engineering can help you Develop Insulation Series for various types of Piping Installation:

Insulation Series for

- Thermal Insulation, Heating
- Thermal Insulation, Cooling
- Condensation Protection

These series based on both

- Insulation Classes from Class 1 to Class 6 based on installation type. This is often used for Building Utilities
- Operation Hours based Insulation; Often used in Process Installations

Typically, P-Engineering operates with these series:

- H01-H06: Light Duty Insulation Matts, Rockwool
- H11-H16: Heavy Duty Insulation Matts, Rockwool
- H21-H26: Light Duty Insulation Matts, Isover
- H31-H36; Heavy Duty Insulation Matts, Isover
- H31-H36: Solid Insulation (Hard foam)
- H81-H86: Armaflex Glued Foam insulation



Reting	_	Long or			_	_	_	_	I.				_												
Material Fire Cessification Internal Surface: External Surface: Proc Supports Pipe Class Sursunding Temp.		#80 - Class 3 Insulation LameIndex med ament slubble (Rackeon) All - Ret Combaetible (sec. EN ISO 1182) Stamless Steel 0,15 Aluminum 0,05 VIII The Javanton							PRINAMEN SERVICE > Heating Forward, Distribution, Indoor v Heating Return, Distribution, Indoor .																
														ľ											
															C83, C83, 583, 590										
														20/0											
									Onler Codes		The Oil	or Code	is select	to the or	nod tom	mon leve	or share	sellle	the reed	a in our	nlica.				
		Nominal size		15	20	25	32	40	50	65	80	100	125	150	200										
		Outer dismeter		15.2	22.3	252	35.0	423	50	75.1	55.9	1050													
30°C	(mm)	9.4	12.2	15.9	19.6	22.5	26.4	21,4	33.5	35.7															
	[mm]	20	20	20	20	30	30	40	40	40															
	[Min]	1.7	1,9	2,2	2,5	2,3	2.7	2,9	3,3	3,7															
40'0	(mm)	11.9	14.6	15.5	22.2	25.2	29.2	34.4	30.5	33.9															
	[mm]	20	20	20	30	30	30	40	40	40															
	Different	5.6	4.0	4.6	4.4	4.9	57	6.1	6.8	7.8															
50°C	(mm)	12.5	16.3	20.5	24.0	27.1	21.3	36.5	35.7	41.1															
	Dente	20	20	20	30	30	40	40	40	50															
	pone	5,6	6.2	6,0	6,0	7,5	7,6	9,5	10,5	10,6															
60°C	Immi	54.6	17.7	21.8	25.7	29.9	33.1	38.5	40.7	43.2															
	(mm)	20	20	30	30	30	40	40	40	50															
	pane	7,7	8,5	8.2	9,3	10,4	10,5	13,0	15,0	14,5															
70°C	[809]	15,9	19,1	23,3	27,5	30,6	35,1	43,6	42,6	45,3															
	Devel	20	20	30	30	30	40	40	50	50															
	pane	9.8	11,0	10,5	12,0	13,4	13,4	17,0	16,4	18,7															
80°C	peng	17,1	20,4	24.7	28.9	32,3	35.9	42,8	44,8	47,4															
	[mm]	20	20	30	30	40	40	50	50	50															
	pane	12.2	13,5	13	14,7	14,3	16,6	18,2	20,2	23.0															
90°C	[mm]	18.3	21.3	26.3	30.6	34.1	38.8	44,6	48,9	49.5															
	[mm]	20	30	30	30	40	40	50	50	50															
	(Mine)	14,6	13,7	15,6	17,5	17,1	19,5	21,5	24,2	27,6															
100°C	[mm]	19,7	23,2	27,9	32,3	36,0	40,8	45,5	49,2	51,7															
	[ma]	20	30	30	30	40	60	60	60	60															
	period	17,1	15,1	15,5	15,1	20,0	20,7	25,6	25,5	29,0															
12010	[mm]	22,5	25,4	31,4	26,2	40,1	45,2	51,4	53,9	56,5															
	peop	30	30	30	30	40	50	60	60	60															
	(Min)	19,2	21,2	21,2	23,0	26,5	27,3	30,5	33,6	31,2															
15010	[mm]	27,5	32,0	37,7	43,0	47,5	52,0	59,4	62,0	64,7															
	[mm]	30	40	40	50	50	60	60	80	80															
	Difficult	27.1	26.5	29.9	30.5	22.4	35.1	42.9	40.5	45.4															





Pictures of various Pipe Insulation and insulation Specification H03, which covers e.g., indoor heating installation.

Insulation Specification will as basis be design according to Danish DS452 standard but can be bespoken to any other National or International Standard for insulation and Energy loss reduction.

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