

Database: Pipe Series P-621

Databases – Standard or bespoke versions – for handling of Pipe Series creation in relation to:

- Pipe Series
- Usage Area
- Media Codes

Pipe Series:

Enables an overview of the various pipe series by

- Material Grade
- Pressure Rating
- Assembly Methods – e.g., Flanged, Threaded, Sleeved, Mirror Welded, Compressing, Press Assembly
- PED Status – Compliance by calculation EN10380 or direct following norm like EN10312, Suppliers Component Declaration

Usage Area:

Definition of Usage Areas for the various Pipe Series. Basically, which process area a given pipe series can be used for.

Media Codes:

Linking Media Codes to the Various Usage Areas. Media Codes to correspond with for example AVEVA PDMS/E3D setup, PID Line Marking etc.

P-Engineering uses MS Access for User interface and Database engine can be Desktop or Server Solution

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Plantware	
P-Engineering Pipe Specification Overview	
Cooling III	PN25
PN: PN25	Operation Data (P) 20 (T) 50
Description:	General Cooling 35% Glycol
C04	General EN-Series Black Steel Welded PN25 PED Compliance EN13480
C24	Welded Black Steel 1 Supplier Component Declaration PED Compliance EN13480
S04	Black Steel 2 No action PED Compliance EN13480
S14	General EN-Series Stainless Steel 1.4307 Welded PN25 PED Compliance EN13480
S34	General EN-Series Stainless Steel 1.4544 Welded PN25 PED Compliance EN13480
S43	General EN-Series Fitted Piping Stainless Steel 1.4307 Declaration Supplier Component Declaration PED Compliance EN13480
S43	General EN-Series Fitted Piping Stainless Steel 1.4544 Declaration Supplier Component Declaration PED Compliance EN13480

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Plantware	
P-Engineering Pipe Specification Overview	
C	Carbon Steel
C02	Black Steel Welded PN10
Rating:	PN10
Assembly:	Welded Welded acc. WPS
PED:	PED Compliance EN13480
Supplier:	General EN-Series
Surface, Inner:	Black Steel 1 Sandblasted
Cooling I	PN10 General Cooling 35% Glycol Surface Painting 8 50
Cooling	PN10 Glycol for LNG etc. Surface Painting 6 -180
Distillate LNG	
Heating Central	PN10 General Heating Systems 8 100
LNG	PN10 Liquefied Natural Gas On shore 6 -180
Oil Diesel II	PN10 Diesel Oil 8 50
Sprinkler	PN10 General Sprinkler Installation 8 25
Steam	PN10 Pressurized Condensate from Steam 8 100
Condensate II	
Steam Raw	PN10 Industrial Steam System 6 165

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Pictures from report from database with overview of pipe series related to usage and usage related to pipe series.