



P-Engineering Pipe Specification Overview

Acid HCl 30%

PN10

PN: PN10 Operation Data [P] 6 [T] 50

Description Hydrochloric Acid 30%

69	J22	General	PN10	Butt Fusion
		PE100 Pipe System		Mirror Welding / Butt Fusion
		Supplier	PED by Supplier Specification	
		N/A	N/A	

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P-Engineering Pipe Specification Overview

Acid Industry, Gen,

PN10

PN: PN10 Operation Data [P] 8 [T] 50

Description Acid General Industrial Grade

69	J22	General	PN10	Butt Fusion
		PE100 Pipe System		Mirror Welding / Butt Fusion
		Supplier	PED by Supplier Specification	
		N/A	N/A	

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P-Engineering Pipe Specification Overview

Acid Pharma, General

PN10

PN: PN10 Operation Data [P] 8 [T] 50

Description Acid General Pharma Grade

69	J22	General	PN10	Butt Fusion
		PE100 Pipe System		Mirror Welding / Butt Fusion
		Supplier	PED by Supplier Specification	
		N/A	N/A	

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P-Engineering Pipe Specification Overview

Air Compressed I

PN10

PN: PN10 Operation Data [P] 8 [T] 30

Description Compressed Air Industrial Grade

P93	General Hose (TPU) and Fittings Supplier PED by Supplier Specification	PN16	Compression I Compression connection tighten with tool
74	N/A N/A		
S02	General EN-Series Stainless Steel 1.4307 Welded PN10, Loose flange PED Compliance	PN10	Welded w. Inert Gas Welded acc. WPS EN13480
24	N/A N/A		
S03	General EN-Series Stainless Steel 1.4307 Welded PN16 PED Compliance	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
25	N/A N/A		
S12	General EN-Series Stainless Steel 1.4404 Welded PN10, Loose flange PED Compliance	PN10	Welded w. Inert Gas Welded acc. WPS EN13480
27	N/A N/A		
S13	General EN-Series Stainless Steel 1.4404 Welded PN16 PED Compliance	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
28	N/A N/A		
S33	Generic Fitted Piping Stainless Steel 1.4307 Declaration Supplier Component Declaration	PN16	Fitted With "Garn & Salve"
40	N/A N/A		
S43	Generic Fitted Piping Stainless Steel 1.4404 Declaration Supplier Component Declaration	PN16	Fitted With "Garn & Salve"
41	N/A N/A		

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P-Engineering Pipe Specification Overview

Air Compressed II

PN16

PN: PN16 Operation Data [P] 12 [T] 30

Description Compressed Air Industrial Grade

P93	General Hose (TPU) and Fittings Supplier PED by Supplier Specification	PN16	Compression I Compression connection tighten with tool
74	N/A N/A		
S03	General EN-Series Stainless Steel 1.4307 Welded PED Compliance	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
25	N/A N/A		
S13	General EN-Series Stainless Steel 1.4404 Welded PED Compliance	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
28	N/A N/A		
S33	Generic Fitted Piping Stainless Steel 1.4307 Declaration Supplier Component Declaration	PN16	Fitted With "Garn & Salve"
40	N/A N/A		
S43	Generic Fitted Piping Stainless Steel 1.4404 Declaration Supplier Component Declaration	PN16	Fitted With "Garn & Salve"
41	N/A N/A		
S44	Generic Fitted Piping Stainless Steel 1.4404 Declaration Supplier Component Declaration	PN25	Fitted With "Garn & Salve"
43	N/A N/A		

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P-Engineering Pipe Specification Overview

Air Compressed III

PN10

PN: PN10 Operation Data [P] 0 [T] 0

Description Compressed Air Pharma Grade

S23	Alfa Laval Pharma Piping - EN 10357 Series 1.4404 (Diary Pipe PED Compliance Pharma Ra < 0,8 my	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
33			
S26	Alfa Laval Pharma Piping - EN 10217 Series 1.4404 PED Compliance Pharma Ra < 0,8 my	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
34			

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P-Engineering Pipe Specification Overview

Air Compressed IV

PN16

PN: PN16 Operation Data [P] 8 [T] 30

Description Compressed Air Pharma Grade

S23	Alfa Laval Pharma Piping - EN 10357 Series 1.4404 (Diary Pipe PED Compliance Pharma Ra < 0,8 my	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
33			
S26	Alfa Laval Pharma Piping - EN 10217 Series 1.4404 PED Compliance Pharma Ra < 0,8 my	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
34			

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P-Engineering Pipe Specification Overview

CIP

PN10

PN: PN10 Operation Data [P] 0 [T] 0

Description Pharma Cleaning Installations

S23	Alfa Laval Pharma Piping - EN 10357 Series 1.4404 (Diary Pipe PED Compliance Pharma Ra < 0,8 my	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
33			
S26	Alfa Laval Pharma Piping - EN 10217 Series 1.4404 PED Compliance Pharma Ra < 0,8 my	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
34			

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P-Engineering Pipe Specification Overview

C02

PN10

PN: PN10 Operation Data [P] 6 [T] -40

Description Industrial Cooling System

K43	Generic Copper Piping - Compression Supplier PED by Supplier Specification	PN16	Compression II DIN 2353 pipe fittings (connection with a cutting ring)
73	N/A	N/A	
K53	Generic Copper Piping - Soldered Supplier PED by Supplier Specification	PN16	Soldering With Flush
55	N/A	N/A	

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P-Engineering Pipe Specification Overview

Cooling I

PN10

PN: PN10 Operation Data [P] 8 [T] 50

Description General Cooling 35% Glycol

C02	General EN-Series Black Steel Welded PN10 PED Compliance Black Steel 1 Sandblastet	PN10	Welded Welded acc. WPS	EN13480
3				
C03	General EN-Series Black Steel Welded PN16 PED Compliance Black Steel 1 Sandblastet	PN16	Welded Welded acc. WPS	EN13480
4				
C22	Vitaulic Black Steel Piping Declaration Supplier Component Declaration Black Steel 2 No action	PN10	Clamp Clamp with Gasket with Bolting	
45				
C33	+GF+ Fitted Pipping Black Steel Declaration Supplier Component Declaration Black Steel 2 No action	PN16	Fitted With "Garn & Salve"	
36				
C43	+GF+ Fitted Pipping Black Steel Declaration Supplier Component Declaration Galvanized Hot Dip Galvanized	PN16	Fitted With "Garn & Salve"	
38				
G12	Generic SDR9 PEX Piping max 70C with Oxygen Barrier Supplier PED by Supplier Specification N/A N/A	PN10	Compression I Compression connection tighten with tool	
52				
S02	General EN-Series Stainless Steel 1.4307 Welded PN10, Loose flange PED Compliance N/A N/A	PN10	Welded w. Inert Gas Welded acc. WPS	EN13480
24				
S03	General EN-Series Stainless Steel 1.4307 Welded PN16 PED Compliance N/A N/A	PN16	Welded w. Inert Gas Welded acc. WPS	EN13480
25				

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P-Engineering Pipe Specification Overview

S12	General EN-Series Stainless Steel 1.4404 Welded PN10, Loose flange PED Compliance N/A	PN10	Welded w. Inert Gas Welded acc. WPS EN13480
27	N/A	N/A	
S13	General EN-Series Stainless Steel 1.4404 Welded PN16 PED Compliance N/A	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
28	N/A	N/A	
S33	Generic Fitted Piping Stainless Steel 1.4307 Declaration Supplier Component Declaration N/A	PN16	Fitted With "Garn & Salve"
40	N/A	N/A	
S34	Generic Fitted Piping Stainless Steel 1.4307 Declaration Supplier Component Declaration N/A	PN25	Fitted With "Garn & Salve"
42	N/A	N/A	
S43	Generic Fitted Piping Stainless Steel 1.4404 Declaration Supplier Component Declaration N/A	PN16	Fitted With "Garn & Salve"
41	N/A	N/A	
S73	Viega Stainless Steel; 1.4404 Supplier PED by Supplier Specification N/A	PN16	Pressing Press with Pressing Tool / Matrix
21	N/A	N/A	
S83	Blucher Mapress Stainless Steel; 1.4404 Supplier PED by Supplier Specification N/A	PN16	Pressing Press with Pressing Tool / Matrix
22	N/A	N/A	
S93	Broen Stainless Steel; 1.4404 Supplier PED by Supplier Specification N/A	PN16	Pressing Press with Pressing Tool / Matrix
23	N/A	N/A	

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P-Engineering Pipe Specification Overview

Cooling II

PN16

PN: PN16 Operation Data [P] 12 [T] 50

Description General Cooling 35% Glycol

C03	General EN-Series Black Steel Welded PN16 PED Compliance Black Steel 1 Sandblastet	PN16	Welded Welded acc. WPS EN13480
4			
C23	Vitaulic Black Steel Piping Declaration Supplier Component Declaration Black Steel 2 No action	PN16	Clamp Clamp with Gasket with Bolting
46			
C33	+GF+ Fitted Pipping Black Steel Declaration Supplier Component Declaration Black Steel 2 No action	PN16	Fitted With "Garn & Salve"
36			
C43	+GF+ Fitted Pipping Black Steel Declaration Supplier Component Declaration Galvanized Hot Dip Galvanized	PN16	Fitted With "Garn & Salve"
38			
S03	General EN-Series Stainless Steel 1.4307 Welded PN16 PED Compliance N/A N/A	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
25			
S13	General EN-Series Stainless Steel 1.4404 Welded PN16 PED Compliance N/A N/A	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
28			
S33	Generic Fitted Piping Stainless Steel 1.4307 Declaration Supplier Component Declaration N/A N/A	PN16	Fitted With "Garn & Salve"
40			
S34	Generic Fitted Piping Stainless Steel 1.4307 Declaration Supplier Component Declaration N/A N/A	PN25	Fitted With "Garn & Salve"
42			

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P-Engineering Pipe Specification Overview

S43	Generic Fitted Piping Stainless Steel 1.4404 Declaration Supplier Component Declaration	PN16	Fitted With "Garn & Salve"
41	N/A	N/A	
S73	Viega Stainless Steel; 1.4404 Supplier PED by Supplier Specification	PN16	Pressing Press with Pressing Tool / Matrix
21	N/A	N/A	
S83	Blucher Mapress Stainless Steel; 1.4404 Supplier PED by Supplier Specification	PN16	Pressing Press with Pressing Tool / Matrix
22	N/A	N/A	
S93	Broen Stainless Steel; 1.4404 Supplier PED by Supplier Specification	PN16	Pressing Press with Pressing Tool / Matrix
23	N/A	N/A	

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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 Black Steel 1 Sandblastet	PN25	Welded Welded acc. WPS EN13480
5			
C24	Vitaulic Black Steel Piping Declaration Supplier Component Declaration Black Steel 2 No action	PN25	Clamp Clamp with Gasket with Bolting
47			
S04	General EN-Series Stainless Steel 1.4307 Welded PN25 PED Compliance N/A N/A	PN25	Welded w. Inert Gas Welded acc. WPS EN13480
26			
S14	General EN-Series Stainless Steel 1.4404 Welded PN25 PED Compliance N/A N/A	PN25	Welded w. Inert Gas Welded acc. WPS EN13480
29			
S34	Generic Fitted Piping Stainless Steel 1.4307 Declaration Supplier Component Declaration N/A N/A	PN25	Fitted With "Garn & Salve"
42			
S43	Generic Fitted Piping Stainless Steel 1.4404 Declaration Supplier Component Declaration N/A N/A	PN16	Fitted With "Garn & Salve"
41			

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P-Engineering Pipe Specification Overview

Cooling Marine LNG

PN10

PN: PN10 Operation Data [P] 6 [T] -180

Description Glycol for LNG etc.

C62	General EN-Series with Groove/Tungue Black Steel Piping Marine PED Compliance Black Steel 1 Sandblastet	PN10	Welded Welded acc. WPS EN13480
59			
S33	Generic Fitted Piping Stainless Steel 1.4307 Declaration Supplier Component Declaration N/A N/A	PN16	Fitted With "Garn & Salve"
40			
S43	Generic Fitted Piping Stainless Steel 1.4404 Declaration Supplier Component Declaration N/A N/A	PN16	Fitted With "Garn & Salve"
41			

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P-Engineering Pipe Specification Overview

Cooling Marine LNG

PN16

PN: PN16 Operation Data [P] 12 [T] -180

Description Glycol for LNG Cooling etc.

C63	General EN-Series with Groove/Tungue Black Steel Piping Marine PED Compliance Black Steel 1 Sandblastet	PN16	Welded Welded acc. WPS EN13480
60			
S33	Generic Fitted Piping Stainless Steel 1.4307 Declaration Supplier Component Declaration N/A N/A	PN16	Fitted With "Garn & Salve"
40			
S43	Generic Fitted Piping Stainless Steel 1.4404 Declaration Supplier Component Declaration N/A N/A	PN16	Fitted With "Garn & Salve"
41			

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P-Engineering Pipe Specification Overview

Cooling Marine LNG

PN25

PN: PN25 Operation Data [P] 20 [T] -180

Description Glycol for LNG Cooling etc.

C64	General EN-Series with Groove/Tungue Black Steel Piping Marine PED Compliance 61 Black Steel 1 Sandblastet	PN25	Welded Welded acc. WPS EN13480
S14	General EN-Series Stainless Steel 1.4404 Welded PN25 PED Compliance 29 N/A N/A	PN25	Welded w. Inert Gas Welded acc. WPS EN13480
S34	Generic Fitted Piping Stainless Steel 1.4307 Declaration Supplier Component Declaration 42 N/A N/A	PN25	Fitted With "Garn & Salve"
S44	Generic Fitted Piping Stainless Steel 1.4404 Declaration Supplier Component Declaration 43 N/A N/A	PN25	Fitted With "Garn & Salve"

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P-Engineering Pipe Specification Overview

Cooling Onshore LNG

PN10

PN: PN10 Operation Data [P] 6 [T] -180

Description Glycol for LNG etc.

C02	General EN-Series Black Steel Welded PN10 PED Compliance Black Steel 1 Sandblastet	PN10	Welded Welded acc. WPS	EN13480
3				
C03	General EN-Series Black Steel Welded PN16 PED Compliance Black Steel 1 Sandblastet	PN16	Welded Welded acc. WPS	EN13480
4				
S02	General EN-Series Stainless Steel 1.4307 Welded PN10, Loose flange PED Compliance N/A N/A	PN10	Welded w. Inert Gas Welded acc. WPS	EN13480
24				
S03	General EN-Series Stainless Steel 1.4307 Welded PN16 PED Compliance N/A N/A	PN16	Welded w. Inert Gas Welded acc. WPS	EN13480
25				
S12	General EN-Series Stainless Steel 1.4404 Welded PN10, Loose flange PED Compliance N/A N/A	PN10	Welded w. Inert Gas Welded acc. WPS	EN13480
27				
S13	General EN-Series Stainless Steel 1.4404 Welded PN16 PED Compliance N/A N/A	PN16	Welded w. Inert Gas Welded acc. WPS	EN13480
28				
S33	Generic Fitted Piping Stainless Steel 1.4307 Declaration Supplier Component Declaration N/A N/A	PN16	Fitted With "Garn & Salve"	
40				
S43	Generic Fitted Piping Stainless Steel 1.4404 Declaration Supplier Component Declaration N/A N/A	PN16	Fitted With "Garn & Salve"	
41				

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P-Engineering Pipe Specification Overview

Cooling Onshore LNG

PN16

PN: PN16 Operation Data [P] 12 [T] -180

Description Glycol for LNG Cooling etc.

C03	General EN-Series Black Steel Welded PN16 PED Compliance Black Steel 1 Sandblastet	PN16	Welded Welded acc. WPS	EN13480
4				
S03	General EN-Series Stainless Steel 1.4307 Welded PN16 PED Compliance N/A N/A	PN16	Welded w. Inert Gas Welded acc. WPS	EN13480
25				
S04	General EN-Series Stainless Steel 1.4307 Welded PN25 PED Compliance N/A N/A	PN25	Welded w. Inert Gas Welded acc. WPS	EN13480
26				
S13	General EN-Series Stainless Steel 1.4404 Welded PN16 PED Compliance N/A N/A	PN16	Welded w. Inert Gas Welded acc. WPS	EN13480
28				
S33	Generic Fitted Piping Stainless Steel 1.4307 Declaration Supplier Component Declaration N/A N/A	PN16	Fitted With "Garn & Salve"	
40				
S43	Generic Fitted Piping Stainless Steel 1.4404 Declaration Supplier Component Declaration N/A N/A	PN16	Fitted With "Garn & Salve"	
41				

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P-Engineering Pipe Specification Overview

Cooling Onshore LNG

PN25

PN: PN25 Operation Data [P] 20 [T] -180

Description Glycol for LNG Cooling etc.

C04	General EN-Series Black Steel Welded PN25 PED Compliance Black Steel 1 Sandblastet	PN25	Welded Welded acc. WPS	EN13480
5				
S04	General EN-Series Stainless Steel 1.4307 Welded PN25 PED Compliance N/A N/A	PN25	Welded w. Inert Gas Welded acc. WPS	EN13480
26				
S44	Generic Fitted Piping Stainless Steel 1.4404 Declaration Supplier Component Declaration N/A N/A	PN25	Fitted With "Garn & Salve"	
43				

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P-Engineering Pipe Specification Overview

Ethanol I

PN10

PN: PN10 Operation Data [P] 6 [T] 50

Description Ethanol Solvent %

S12	General EN-Series Stainless Steel 1.4404 Welded PN10, Loose flange PED Compliance N/A N/A	PN10	Welded w. Inert Gas Welded acc. WPS EN13480
27			
S13	General EN-Series Stainless Steel 1.4404 Welded PN16 PED Compliance N/A N/A	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
28			
S23	Alfa Laval Pharma Piping - EN 10357 Series 1.4404 (Diary Pipe) PED Compliance Pharma Ra < 0,8 my	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
33			
S26	Alfa Laval Pharma Piping - EN 10217 Series 1.4404 PED Compliance Pharma Ra < 0,8 my	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
34			

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P-Engineering Pipe Specification Overview

Flue Gas I

PN00

PN: PN00 Operation Data [P] 0 [T] 300

Description Flue Gas

R09	Pending Instrument Piping PED Compliance	100	Compression I Compression connection tighten with tool EN13480
68	N/A	N/A	
S09	Pending Instrument Piping PED Compliance	PN100	Compression I Compression connection tighten with tool EN13480
67	N/A	N/A	

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P-Engineering Pipe Specification Overview

Flue Gas II

PN00

PN: PN00 Operation Data [P] 0 [T] 600

Description Flue Gas

R09	Pending Instrument Piping PED Compliance	100	Compression I Compression connection tighten with tool EN13480
68	N/A	N/A	
S09	Pending Instrument Piping PED Compliance	PN100	Compression I Compression connection tighten with tool EN13480
67	N/A	N/A	

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P-Engineering Pipe Specification Overview

Heating Central

PN10

PN: PN10 Operation Data [P] 8 [T] 100

Description General Heating Systems

C02	General EN-Series Black Steel Welded PN10 PED Compliance Black Steel 1 Sandblastet	PN10	Welded Welded acc. WPS	EN13480
3				
C03	General EN-Series Black Steel Welded PN16 PED Compliance Black Steel 1 Sandblastet	PN16	Welded Welded acc. WPS	EN13480
4				
C22	Vitaulic Black Steel Piping Declaration Supplier Component Declaration Black Steel 2 No action	PN10	Clamp Clamp with Gasket with Bolting	
45				
C33	+GF+ Fitted Pipping Black Steel Declaration Supplier Component Declaration Black Steel 2 No action	PN16	Fitted With "Garn & Salve"	
36				
C43	+GF+ Fitted Pipping Black Steel Declaration Supplier Component Declaration Galvanized Hot Dip Galvanized	PN16	Fitted With "Garn & Salve"	
38				
C73	Viega Black Steel Press Piping Supplier PED by Supplier Specification FZ FZ Plated	PN16	Pressing Press with Pressing Tool / Matrix	
18				
C83	Blucher Mapress Black Steel Press Piping Supplier PED by Supplier Specification FZ FZ Plated	PN16	Pressing Press with Pressing Tool / Matrix	
19				
C93	Broen Black Steel Press Piping Supplier PED by Supplier Specification FZ FZ Plated	PN16	Pressing Press with Pressing Tool / Matrix	
20				

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P-Engineering Pipe Specification Overview

G12	Generic SDR9 PEX Piping max 70C with Oxygen Barrier Supplier PED by Supplier Specification	PN10	Compression I Compression connection tighten with tool
52	N/A	N/A	
M82	Uponor MLS Metallic Pipe PLUS max 70C Supplier PED by Supplier Specification	PN10	Compression I Compression connection tighten with tool
65	N/A	N/A	
M92	Uponor MLS Uni Pipe PLUS max 70C - Hvid Supplier PED by Supplier Specification	PN10	Compression I Compression connection tighten with tool
64	N/A	N/A	

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P-Engineering Pipe Specification Overview

Heating Central

PN16

PN: PN16 Operation Data [P] 14 [T] 100

Description General Heating Systems

C03	General EN-Series Black Steel Welded PN16 PED Compliance Black Steel 1 Sandblastet	PN16	Welded Welded acc. WPS EN13480
4			
C23	Vitaulic Black Steel Piping Declaration Supplier Component Declaration Black Steel 2 No action	PN16	Clamp Clamp with Gasket with Bolting
46			
C33	+GF+ Fitted Pipping Black Steel Declaration Supplier Component Declaration Black Steel 2 No action	PN16	Fitted With "Garn & Salve"
36			
C43	+GF+ Fitted Pipping Black Steel Declaration Supplier Component Declaration Galvanized Hot Dip Galvanized	PN16	Fitted With "Garn & Salve"
38			
C73	Viega Black Steel Press Piping Supplier PED by Supplier Specification FZ FZ Plated	PN16	Pressing Press with Pressing Tool / Matrix
18			
C83	Blucher Mapress Black Steel Press Piping Supplier PED by Supplier Specification FZ FZ Plated	PN16	Pressing Press with Pressing Tool / Matrix
19			
C93	Broen Black Steel Press Piping Supplier PED by Supplier Specification FZ FZ Plated	PN16	Pressing Press with Pressing Tool / Matrix
20			

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P-Engineering Pipe Specification Overview

Heating Central

PN25

PN: PN25 Operation Data [P] 22 [T] 100

Description General Heating Systems

C04	General EN-Series Black Steel Welded PN25 PED Compliance	PN25	Welded Welded acc. WPS
5	Black Steel 1 Sandblastet		EN13480
C24	Vitaulic Black Steel Piping Declaration Supplier Component Declaration	PN25	Clamp Clamp with Gasket with Bolting
47	Black Steel 2 No action		

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P-Engineering Pipe Specification Overview

Heating Central

PN40

PN: PN40 Operation Data [P] 36 [T] 100

Description General Heating Systems

C04	General EN-Series	PN25	Welded
	Black Steel Welded PN25		Welded acc. WPS
	PED	Compliance	EN13480
5	Black Steel 1	Sandblastet	

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P-Engineering Pipe Specification Overview

Heating District

PN16

PN: PN16 Operation Data [P] 13 [T] 120

Description District Heating

C03	General EN-Series Black Steel Welded PN16 PED Compliance Black Steel 1 Sandblastet	PN16	Welded Welded acc. WPS	EN13480
4				
C04	General EN-Series Black Steel Welded PN25 PED Compliance Black Steel 1 Sandblastet	PN25	Welded Welded acc. WPS	EN13480
5				
C33	+GF+ Fitted Pipping Black Steel Declaration Supplier Component Declaration Black Steel 2 No action	PN16	Fitted With "Garn & Salve"	
36				

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P-Engineering Pipe Specification Overview

Heating Floor

PN06

PN: PN06 Operation Data [P] 5 [T] 50

Description General Floor Heating system

C33	+GF+	PN16	Fitted
36	Fitted Piping Black Steel Declaration Supplier Component Declaration Black Steel 2 No action		With "Garn & Salve"
C43	+GF+	PN16	Fitted
38	Fitted Piping Black Steel Declaration Supplier Component Declaration Galvanized Hot Dip Galvanized		With "Garn & Salve"
C73	Viega	PN16	Pressing
18	Black Steel Press Piping Supplier PED by Supplier Specification FZ FZ Plated		Press with Pressing Tool / Matrix
C83	Blucher Mapress	PN16	Pressing
19	Black Steel Press Piping Supplier PED by Supplier Specification FZ FZ Plated		Press with Pressing Tool / Matrix
C93	Broen	PN16	Pressing
20	Black Steel Press Piping Supplier PED by Supplier Specification FZ FZ Plated		Press with Pressing Tool / Matrix
G12	Generic SDR9	PN10	Compression I
52	PEX Piping max 70C with Oxygen Barrier Supplier PED by Supplier Specification N/A N/A		Compression connection tighten with tool
G31	Generic SDR9	PN06	Compression I
54	PEX Piping max 95C with Oxygen Barrier Supplier PED by Supplier Specification N/A N/A		Compression connection tighten with tool

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P-Engineering Pipe Specification Overview

LNG

PN10

PN: PN10 Operation Data [P] 6 [T] -180

Description Liquefied Natrural Gas

C02	General EN-Series Black Steel Welded PN10 PED Compliance Black Steel 1 Sandblastet	PN10	Welded Welded acc. WPS	EN13480
3				
C62	General EN-Series with Groove/Tungue Black Steel Piping Marine PED Compliance Black Steel 1 Sandblastet	PN10	Welded Welded acc. WPS	EN13480
59				

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P-Engineering Pipe Specification Overview

LNG

PN16

PN: PN16 Operation Data [P] 12 [T] -180

Description Liquefied Natrural Gas

C03	General EN-Series Black Steel Welded PN16 PED Compliance Black Steel 1 Sandblastet	PN16	Welded Welded acc. WPS	EN13480
4				
C63	General EN-Series with Groove/Tungue Black Steel Piping Marine PED Compliance Black Steel 1 Sandblastet	PN16	Welded Welded acc. WPS	EN13480
60				

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P-Engineering Pipe Specification Overview

LNG

PN25

PN: PN25 Operation Data [P] 20 [T] -180

Description Liquefied Natrural Gas

C04	General EN-Series Black Steel Welded PN25 PED Compliance Black Steel 1 Sandblastet	PN25	Welded Welded acc. WPS	EN13480
5				
C64	General EN-Series with Groove/Tungue Black Steel Piping Marine PED Compliance Black Steel 1 Sandblastet	PN25	Welded Welded acc. WPS	EN13480
61				

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P-Engineering Pipe Specification Overview

Lye Industry, Gen,

PN10

PN: PN10 Operation Data [P] 8 [T] 50

Description Lye General Industrial Grade

J22	General PE100 Pipe System Supplier PED by Supplier Specification 69 N/A N/A	PN10	Butt Fusion Mirror Welding / Butt Fusion
R03	General EN-Series Stainless Steel SMO 1.4547 PED Compliance 62 N/A N/A	PN16	Welded Welded acc. WPS EN13480
S12	General EN-Series Stainless Steel 1.4404 Welded PN10, Loose flange PED Compliance 27 N/A N/A	PN10	Welded w. Inert Gas Welded acc. WPS EN13480
S13	General EN-Series Stainless Steel 1.4404 Welded PN16 PED Compliance 28 N/A N/A	PN16	Welded w. Inert Gas Welded acc. WPS EN13480

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P-Engineering Pipe Specification Overview

Lye Pharma, General

PN10

PN: PN10 Operation Data [P] 8 [T] 50

Description Acid General Pharma Grade

J22	General PE100 Pipe System Supplier PED by Supplier Specification 69 N/A N/A	PN10	Butt Fusion Mirror Welding / Butt Fusion
S23	Alfa Laval Pharma Piping - EN 10357 Series 1.4404 (Diary Pipe) PED Compliance 33 Pharma Ra < 0,8 my	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
S26	Alfa Laval Pharma Piping - EN 10217 Series 1.4404 PED Compliance 34 Pharma Ra < 0,8 my	PN16	Welded w. Inert Gas Welded acc. WPS EN13480

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P-Engineering Pipe Specification Overview

Methanol I

PN10

PN: PN10 Operation Data [P] 6 [T] 30

Description Methanol Solvent %

S23	Alfa Laval Pharma Piping - EN 10357 Series 1.4404 (Diary Pipe PED Compliance Pharma Ra < 0,8 my	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
33			
S26	Alfa Laval Pharma Piping - EN 10217 Series 1.4404 PED Compliance Pharma Ra < 0,8 my	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
34			

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P-Engineering Pipe Specification Overview

N-Gas I

PN06

PN: PN06 Operation Data [P] 1 [T] 50

Description N-Gas Distribution

C33	+GF+	PN16	Fitted With "Garn & Salve"
	Fitted Pipping Black Steel		
	Declaration	Supplier Component Declaration	
36	Black Steel 2	No action	
K43	Generic	PN16	Compression II
	Cupper Piping - Compression		DIN 2353 pipe fittings
	Supplier	PED by Supplier Specification	(connection with a cutting ring)
73	N/A	N/A	
K93	Broen	PN16	Pressing
	Cupper Piping - Pressed		Press with Pressing Tool /
	Supplier	PED by Supplier Specification	Matrix
35	N/A	N/A	

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P-Engineering Pipe Specification Overview

N-Gas II

PN10

PN: PN10 Operation Data [P] 6 [T] 50

Description N-Gas Distribution

C12	General EN-Series - Bend+Bauart5 Black Steel Welded PN10 - N-Gas Application PED Compliance	PN10	Welded Welded acc. WPS
9	Black Steel 1 Sandblastet		EN13480
C33	+GF+ Fitted Pipping Black Steel Declaration Supplier Component Declaration	PN16	Fitted With "Garn & Salve"
36	Black Steel 2 No action		

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P-Engineering Pipe Specification Overview

N-Gas III

PN16

PN: PN16 Operation Data [P] 12 [T] 50

Description N-Gas Distribution

10	C13	General EN-Series - Bend+Bauart5	PN16	Welded
		Black Steel Welded PN16 - N-Gas Application		Welded acc. WPS
		PED Compliance		EN13480
36	C33	+GF+	PN16	Fitted
		Fitted Pipping Black Steel		With "Garn & Salve"
		Declaration Supplier Component Declaration		
37	C34	Generic	PN25	Fitted
		Fitted Pipping Black Steel		With "Garn & Salve"
		Declaration Supplier Component Declaration		
		Black Steel 1 Sandblastet		
		Black Steel 2 No action		
		Black Steel 2 No action		

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P-Engineering Pipe Specification Overview

N-Gas IV

PN25

PN: PN25 Operation Data [P] 20 [T] 50

Description N-Gas Distribution

C14	General EN-Series - Bend+Bauart5 Black Steel Welded PN25 - N-Gas Application PED Compliance	PN25	Welded Welded acc. WPS
11	Black Steel 1 Sandblastet		EN13480
C34	Generic Fitted Pipping Black Steel Declaration Supplier Component Declaration	PN25	Fitted With "Garn & Salve"
37	Black Steel 2 No action		

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P-Engineering Pipe Specification Overview

N-Gas VII

PN100

PN: PN100 Operation Data [P] 80 [T] 50

Description N-Gas Distribution Main

C17	General EN-Series - Bend+Bauart5	PN100	Welded
	Black Steel Welded PN100 - N-Gas Application		Welded acc. WPS
	PED	Compliance	EN13480
14	Black Steel 1	Sandblastet	

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P-Engineering Pipe Specification Overview

Oil Diesel I

PN06

PN: PN06 Operation Data [P] 4 [T] 50

Description Diesel Oil

C01	General EN-Series Black Steel Welded PN06 PED Compliance	PN06	Welded Welded acc. WPS	EN13480
2	Black Steel 1 Sandblastet			
C33	+GF+ Fitted Pipping Black Steel Declaration Supplier Component Declaration	PN16	Fitted With "Garn & Salve"	
36	Black Steel 2 No action			
C33	+GF+ Fitted Pipping Black Steel Declaration Supplier Component Declaration	PN16	Fitted With "Garn & Salve"	
36	Black Steel 2 No action			
C33	+GF+ Fitted Pipping Black Steel Declaration Supplier Component Declaration	PN16	Fitted With "Garn & Salve"	
36	Black Steel 2 No action			
C43	+GF+ Fitted Pipping Black Steel Declaration Supplier Component Declaration	PN16	Fitted With "Garn & Salve"	
38	Galvanized Hot Dip Galvanized			
S02	General EN-Series Stainless Steel 1.4307 Welded PN10, Loose flange PED Compliance	PN10	Welded w. Inert Gas Welded acc. WPS	EN13480
24	N/A N/A			

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P-Engineering Pipe Specification Overview

Oil Diesel II

PN10

PN: PN10 Operation Data [P] 8 [T] 50

Description Diesel Oil

C02	General EN-Series Black Steel Welded PN10 PED Compliance Black Steel 1 Sandblastet	PN10	Welded Welded acc. WPS EN13480
3			
C33	+GF+ Fitted Pipping Black Steel Declaration Supplier Component Declaration Black Steel 2 No action	PN16	Fitted With "Garn & Salve"
36			
C43	+GF+ Fitted Pipping Black Steel Declaration Supplier Component Declaration Galvanized Hot Dip Galvanized	PN16	Fitted With "Garn & Salve"
38			
S02	General EN-Series Stainless Steel 1.4307 Welded PN10, Loose flange PED Compliance N/A N/A	PN10	Welded w. Inert Gas Welded acc. WPS EN13480
24			

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P-Engineering Pipe Specification Overview

Oil Hydraulic

PN300

PN: PN300 Operation Data [P] 300 [T] 100

Description Hydraulic Oil for Motion System

C39	General EN-Series EN 10305-4 Pressition Tubes E235 / W1.035 Supplier PED by Supplier Specification	PN300	Compression II DIN 2353 pipe fittings (connection with a cutting ring)
72	Zink	Zinc-plated coating	

P-Engineering Pipe Specification Overview

Sewage, Black

N/A

PN: N/A Operation Data [P] 0 [T] 20

Description Sewage Toilet etc.

A12	DUKER Cast Iron Sewage Pipe; SML Coating N/A Not relevant	N/A	Clamp Clamp with Gasket with Bolting
15	SML SML Coating		
A13	DUKER Cast Iron Sewage Pipe; MLK Coating N/A Not relevant	N/A	Clamp Clamp with Gasket with Bolting
16	SML SML Coating		
A14	DUKER Cast Iron Sewage Pipe; TML Coating N/A Not relevant	N/A	Clamp Clamp with Gasket with Bolting
17	SML SML Coating		
P41	Geberit Geberit Silent PP Sewage Piping N/A Not relevant	N/A	Sleeve M/F Male - Female Sleeve Connection
49	N/A N/A		
S02	General EN-Series Stainless Steel 1.4307 Welded PN10, Loose flange PED Compliance	PN10	Welded w. Inert Gas Welded acc. WPS EN13480
24	N/A N/A		
S03	General EN-Series Stainless Steel 1.4307 Welded PN16 PED Compliance	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
25	N/A N/A		
S12	General EN-Series Stainless Steel 1.4404 Welded PN10, Loose flange PED Compliance	PN10	Welded w. Inert Gas Welded acc. WPS EN13480
27	N/A N/A		
S13	General EN-Series Stainless Steel 1.4404 Welded PN16 PED Compliance	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
28	N/A N/A		

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P-Engineering Pipe Specification Overview

S41	Blucher Sewage Piping 1.4307 PED Compliance	N/A	Sleeve M/F Male - Female Sleeve Connection EN13480
31	N/A	N/A	
S42	Blucher Sewage Piping 1.4404 PED Compliance	N/A	Sleeve M/F Male - Female Sleeve Connection EN13480
32	N/A	N/A	

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P-Engineering Pipe Specification Overview

Sewage, Fatty

N/A

PN: N/A Operation Data [P] 0 [T] 50

Description Sewage from Kitchen

A13	DUKER Cast Iron Sewage Pipe; MLK Coating N/A Not relevant	N/A	Clamp Clamp with Gasket with Bolting
16	SML SML Coating		
A14	DUKER Cast Iron Sewage Pipe; TML Coating N/A Not relevant	N/A	Clamp Clamp with Gasket with Bolting
17	SML SML Coating		
S02	General EN-Series Stainless Steel 1.4307 Welded PN10, Loose flange PED Compliance	PN10	Welded w. Inert Gas Welded acc. WPS EN13480
24	N/A N/A		
S03	General EN-Series Stainless Steel 1.4307 Welded PN16 PED Compliance	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
25	N/A N/A		
S12	General EN-Series Stainless Steel 1.4404 Welded PN10, Loose flange PED Compliance	PN10	Welded w. Inert Gas Welded acc. WPS EN13480
27	N/A N/A		
S13	General EN-Series Stainless Steel 1.4404 Welded PN16 PED Compliance	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
28	N/A N/A		
S41	Blucher Sewage Piping 1.4307 PED Compliance	N/A	Sleeve M/F Male - Female Sleeve Connection EN13480
31	N/A N/A		
S42	Blucher Sewage Piping 1.4404 PED Compliance	N/A	Sleeve M/F Male - Female Sleeve Connection EN13480
32	N/A N/A		

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P-Engineering Pipe Specification Overview

Sewage, Gray

N/A

PN: N/A Operation Data [P] 0 [T] 20

Description Sewage general

A12	DUKER Cast Iron Sewage Pipe; SML Coating N/A Not relevant	N/A	Clamp Clamp with Gasket with Bolting
15	SML SML Coating		
A13	DUKER Cast Iron Sewage Pipe; MLK Coating N/A Not relevant	N/A	Clamp Clamp with Gasket with Bolting
16	SML SML Coating		
A14	DUKER Cast Iron Sewage Pipe; TML Coating N/A Not relevant	N/A	Clamp Clamp with Gasket with Bolting
17	SML SML Coating		
P41	Geberit Geberit Silent PP Sewage Piping N/A Not relevant	N/A	Sleeve M/F Male - Female Sleeve Connection
49	N/A N/A		
S02	General EN-Series Stainless Steel 1.4307 Welded PN10, Loose flange PED Compliance	PN10	Welded w. Inert Gas Welded acc. WPS EN13480
24	N/A N/A		
S03	General EN-Series Stainless Steel 1.4307 Welded PN16 PED Compliance	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
25	N/A N/A		
S12	General EN-Series Stainless Steel 1.4404 Welded PN10, Loose flange PED Compliance	PN10	Welded w. Inert Gas Welded acc. WPS EN13480
27	N/A N/A		
S13	General EN-Series Stainless Steel 1.4404 Welded PN16 PED Compliance	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
28	N/A N/A		

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P-Engineering Pipe Specification Overview

S41	Blucher Sewage Piping 1.4307 PED Compliance	N/A	Sleeve M/F Male - Female Sleeve Connection EN13480
31	N/A	N/A	
S41	Blucher Sewage Piping 1.4307 PED Compliance	N/A	Sleeve M/F Male - Female Sleeve Connection EN13480
31	N/A	N/A	
S42	Blucher Sewage Piping 1.4404 PED Compliance	N/A	Sleeve M/F Male - Female Sleeve Connection EN13480
32	N/A	N/A	
S42	Blucher Sewage Piping 1.4404 PED Compliance	N/A	Sleeve M/F Male - Female Sleeve Connection EN13480
32	N/A	N/A	

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P-Engineering Pipe Specification Overview

Sewage, Oily

N/A

PN: N/A Operation Data [P] 0 [T] 20

Description Sewage Parking etc.

A14	DUKER Cast Iron Sewage Pipe; TML Coating N/A Not relevant	N/A	Clamp Clamp with Gasket with Bolting
17	SML SML Coating		
P41	Geberit Geberit Silent PP Sewage Piping N/A Not relevant	N/A	Sleeve M/F Male - Female Sleeve Connection
49	N/A N/A		
S02	General EN-Series Stainless Steel 1.4307 Welded PN10, Loose flange PED Compliance	PN10	Welded w. Inert Gas Welded acc. WPS EN13480
24	N/A N/A		
S03	General EN-Series Stainless Steel 1.4307 Welded PN16 PED Compliance	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
25	N/A N/A		
S12	General EN-Series Stainless Steel 1.4404 Welded PN10, Loose flange PED Compliance	PN10	Welded w. Inert Gas Welded acc. WPS EN13480
27	N/A N/A		
S13	General EN-Series Stainless Steel 1.4404 Welded PN16 PED Compliance	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
28	N/A N/A		
S41	Blucher Sewage Piping 1.4307 PED Compliance	N/A	Sleeve M/F Male - Female Sleeve Connection EN13480
31	N/A N/A		
S42	Blucher Sewage Piping 1.4404 PED Compliance	N/A	Sleeve M/F Male - Female Sleeve Connection EN13480
32	N/A N/A		

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P-Engineering Pipe Specification Overview

Sewage; Rain Water

N/A

PN: N/A Operation Data [P] 0 [T] 0

Description Rain Water, Gravity

P41	Geberit Geberit Silent PP Sewage Piping N/A Not relevant	N/A	Sleeve M/F Male - Female Sleeve Connection
49	N/A N/A		
S02	General EN-Series Stainless Steel 1.4307 Welded PN10, Loose flange PED Compliance	PN10	Welded w. Inert Gas Welded acc. WPS EN13480
24	N/A N/A		
S02	General EN-Series Stainless Steel 1.4307 Welded PN10, Loose flange PED Compliance	PN10	Welded w. Inert Gas Welded acc. WPS EN13480
24	N/A N/A		
S03	General EN-Series Stainless Steel 1.4307 Welded PN16 PED Compliance	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
25	N/A N/A		
S12	General EN-Series Stainless Steel 1.4404 Welded PN10, Loose flange PED Compliance	PN10	Welded w. Inert Gas Welded acc. WPS EN13480
27	N/A N/A		
S13	General EN-Series Stainless Steel 1.4404 Welded PN16 PED Compliance	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
28	N/A N/A		
S42	Blucher Sewage Piping 1.4404 PED Compliance	N/A	Sleeve M/F Male - Female Sleeve Connection EN13480
32	N/A N/A		
S42	Blucher Sewage Piping 1.4404 PED Compliance	N/A	Sleeve M/F Male - Female Sleeve Connection EN13480
32	N/A N/A		

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P-Engineering Pipe Specification Overview

Sewage; Rain Water

N/A

PN: N/A Operation Data [P] 0 [T] 0

Description Rain Water, Siphon system

S02	General EN-Series Stainless Steel 1.4307 Welded PN10, Loose flange PED Compliance	PN10	Welded w. Inert Gas Welded acc. WPS	EN13480
24	N/A	N/A		
S02	General EN-Series Stainless Steel 1.4307 Welded PN10, Loose flange PED Compliance	PN10	Welded w. Inert Gas Welded acc. WPS	EN13480
24	N/A	N/A		
S03	General EN-Series Stainless Steel 1.4307 Welded PN16 PED Compliance	PN16	Welded w. Inert Gas Welded acc. WPS	EN13480
25	N/A	N/A		
S12	General EN-Series Stainless Steel 1.4404 Welded PN10, Loose flange PED Compliance	PN10	Welded w. Inert Gas Welded acc. WPS	EN13480
27	N/A	N/A		
S13	General EN-Series Stainless Steel 1.4404 Welded PN16 PED Compliance	PN16	Welded w. Inert Gas Welded acc. WPS	EN13480
28	N/A	N/A		
S41	Blucher Sewage Piping 1.4307 PED Compliance	N/A	Sleeve M/F Male - Female Sleeve Connection	EN13480
31	N/A	N/A		
S41	Blucher Sewage Piping 1.4307 PED Compliance	N/A	Sleeve M/F Male - Female Sleeve Connection	EN13480
31	N/A	N/A		

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P-Engineering Pipe Specification Overview

Slurry I

PN10

PN: PN10 Operation Data [P] 8 [T] 50

Description Water Slurry with partickles

C52	General EN-Series with rubber Lining Black Steel Piping	PN10	Welded Welded acc. WPS
56	PED Compliance Lined Rubber Lining		EN13480
C53	General EN-Series with rubber Lining Black Steel Piping	PN16	Welded Welded acc. WPS
57	PED Compliance Lined Rubber Lining		EN13480
P03	General GRP Piping Declaration	PN16	Glue Male/Female Socket with Glue
48	N/A Supplier Component Declaration N/A		

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P-Engineering Pipe Specification Overview

Slurry II

PN16

PN: PN16 Operation Data [P] 8 [T] 50

Description Water Slurry with Particles

C53	General EN-Series with rubber Lining	PN16	Welded
	Black Steel Piping		Welded acc. WPS
	PED Compliance		EN13480
57	Lined Rubber Lining		

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P-Engineering Pipe Specification Overview

Sprinkler

PN10

PN: PN10 Operation Data [P] 8 [T] 25

Description General Sprinkler Installation

C02	General EN-Series Black Steel Welded PN10 PED Compliance Black Steel 1 Sandblastet	PN10	Welded Welded acc. WPS	EN13480
3				
C03	General EN-Series Black Steel Welded PN16 PED Compliance Black Steel 1 Sandblastet	PN16	Welded Welded acc. WPS	EN13480
4				
C22	Vitaulic Black Steel Piping Declaration Supplier Component Declaration Black Steel 2 No action	PN10	Clamp Clamp with Gasket with Bolting	
45				
C33	+GF+ Fitted Pipping Black Steel Declaration Supplier Component Declaration Black Steel 2 No action	PN16	Fitted With "Garn & Salve"	
36				
C43	+GF+ Fitted Pipping Black Steel Declaration Supplier Component Declaration Galvanized Hot Dip Galvanized	PN16	Fitted With "Garn & Salve"	
38				

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P-Engineering Pipe Specification Overview

Sprinkler

PN16

PN: PN16 Operation Data [P] 14 [T] 25

Description General Sprinkler Installation

C03	General EN-Series Black Steel Welded PN16 PED Compliance Black Steel 1 Sandblastet	PN16	Welded Welded acc. WPS EN13480
4			
C23	Vitaulic Black Steel Piping Declaration Supplier Component Declaration Black Steel 2 No action	PN16	Clamp Clamp with Gasket with Bolting
46			
C33	+GF+ Fitted Pipping Black Steel Declaration Supplier Component Declaration Black Steel 2 No action	PN16	Fitted With "Garn & Salve"
36			
C43	+GF+ Fitted Pipping Black Steel Declaration Supplier Component Declaration Galvanized Hot Dip Galvanized	PN16	Fitted With "Garn & Salve"
38			

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P-Engineering Pipe Specification Overview

Sprinkler

PN25

PN: PN25 Operation Data [P] 23 [T] 25

Description General Sprinkler Installation

C04	General EN-Series Black Steel Welded PN25 PED Compliance	PN25	Welded Welded acc. WPS	EN13480
5	Black Steel 1 Sandblastet			
C24	Vitaulic Black Steel Piping Declaration Supplier Component Declaration	PN25	Clamp Clamp with Gasket with Bolting	
47	Black Steel 2 No action			

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P-Engineering Pipe Specification Overview

Steam Clean

PN10

PN: PN10 Operation Data [P] 6 [T] 165

Description Pharma Steam System

S23	Alfa Laval Pharma Piping - EN 10357 Series 1.4404 (Diary Pipe PED Compliance Pharma Ra < 0,8 my	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
33			
S26	Alfa Laval Pharma Piping - EN 10217 Series 1.4404 PED Compliance Pharma Ra < 0,8 my	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
34			

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P-Engineering Pipe Specification Overview

Steam Clean

PN16

PN: PN16 Operation Data [P] 10 [T] 184

Description Pharma Steam System

S23	Alfa Laval Pharma Piping - EN 10357 Series 1.4404 (Diary Pipe PED Compliance Pharma Ra < 0,8 my	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
33			
S26	Alfa Laval Pharma Piping - EN 10217 Series 1.4404 PED Compliance Pharma Ra < 0,8 my	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
34			

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P-Engineering Pipe Specification Overview

Steam Condensate I

N/A

PN: N/A Operation Data [P] 1 [T] 100

Description Pressureless Condensate from Steam

S02	General EN-Series Stainless Steel 1.4307 Welded PN10, Loose flange PED Compliance N/A N/A	PN10	Welded w. Inert Gas Welded acc. WPS EN13480
24			
S03	General EN-Series Stainless Steel 1.4307 Welded PN16 PED Compliance N/A N/A	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
25			
S12	General EN-Series Stainless Steel 1.4404 Welded PN10, Loose flange PED Compliance N/A N/A	PN10	Welded w. Inert Gas Welded acc. WPS EN13480
27			
S13	General EN-Series Stainless Steel 1.4404 Welded PN16 PED Compliance N/A N/A	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
28			
S43	Generic Fitted Piping Stainless Steel 1.4404 Declaration Supplier Component Declaration N/A N/A	PN16	Fitted With "Garn & Salve"
41			

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P-Engineering Pipe Specification Overview

Steam Condensate II

PN10

PN: PN10 Operation Data [P] 8 [T] 100

Description Pressurized Condensate from Steam

C02	General EN-Series Black Steel Welded PN10 PED Compliance Black Steel 1 Sandblastet	PN10	Welded Welded acc. WPS	EN13480
3				
C03	General EN-Series Black Steel Welded PN16 PED Compliance Black Steel 1 Sandblastet	PN16	Welded Welded acc. WPS	EN13480
4				
C33	+GF+ Fitted Pipping Black Steel Declaration Supplier Component Declaration Black Steel 2 No action	PN16	Fitted With "Garn & Salve"	
36				
S02	General EN-Series Stainless Steel 1.4307 Welded PN10, Loose flange PED Compliance N/A N/A	PN10	Welded w. Inert Gas Welded acc. WPS	EN13480
24				
S03	General EN-Series Stainless Steel 1.4307 Welded PN16 PED Compliance N/A N/A	PN16	Welded w. Inert Gas Welded acc. WPS	EN13480
25				
S12	General EN-Series Stainless Steel 1.4404 Welded PN10, Loose flange PED Compliance N/A N/A	PN10	Welded w. Inert Gas Welded acc. WPS	EN13480
27				
S13	General EN-Series Stainless Steel 1.4404 Welded PN16 PED Compliance N/A N/A	PN16	Welded w. Inert Gas Welded acc. WPS	EN13480
28				
S43	Generic Fitted Piping Stainless Steel 1.4404 Declaration Supplier Component Declaration N/A N/A	PN16	Fitted With "Garn & Salve"	
41				

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P-Engineering Pipe Specification Overview

Steam Condensate III

PN16

PN: PN16 Operation Data [P] 12 [T] 100

Description Pressurized Condensate from Steam

C03	General EN-Series Black Steel Welded PN16 PED Compliance Black Steel 1 Sandblastet	PN16	Welded Welded acc. WPS	EN13480
4				
C33	+GF+ Fitted Pipping Black Steel Declaration Supplier Component Declaration Black Steel 2 No action	PN16	Fitted With "Garn & Salve"	
36				
S03	General EN-Series Stainless Steel 1.4307 Welded PN16 PED Compliance N/A N/A	PN16	Welded w. Inert Gas Welded acc. WPS	EN13480
25				
S13	General EN-Series Stainless Steel 1.4404 Welded PN16 PED Compliance N/A N/A	PN16	Welded w. Inert Gas Welded acc. WPS	EN13480
28				
S43	Generic Fitted Piping Stainless Steel 1.4404 Declaration Supplier Component Declaration N/A N/A	PN16	Fitted With "Garn & Salve"	
41				
S44	Generic Fitted Piping Stainless Steel 1.4404 Declaration Supplier Component Declaration N/A N/A	PN25	Fitted With "Garn & Salve"	
43				

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P-Engineering Pipe Specification Overview

Steam Raw

PN10

PN: PN10 Operation Data [P] 6 [T] 165

Description Industrial Steam System

C02	General EN-Series Black Steel Welded PN10 PED Compliance Black Steel 1 Sandblastet	PN10	Welded Welded acc. WPS	EN13480
3				
C03	General EN-Series Black Steel Welded PN16 PED Compliance Black Steel 1 Sandblastet	PN16	Welded Welded acc. WPS	EN13480
4				
C33	+GF+ Fitted Pipping Black Steel Declaration Supplier Component Declaration Black Steel 2 No action	PN16	Fitted With "Garn & Salve"	
36				

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P-Engineering Pipe Specification Overview

Steam Raw

PN16

PN: PN16 Operation Data [P] 10 [T] 184

Description Industrial Steam System

C03	General EN-Series Black Steel Welded PN16 PED Compliance	PN16	Welded Welded acc. WPS
4	Black Steel 1 Sandblastet		EN13480
C33	+GF+ Fitted Pipping Black Steel Declaration Supplier Component Declaration	PN16	Fitted With "Garn & Salve"
36	Black Steel 2 No action		

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P-Engineering Pipe Specification Overview

Steam Raw

PN25

PN: PN25 Operation Data [P] 18 [T] 210

Description Industrial Steam System

C04	General EN-Series Black Steel Welded PN25 PED Compliance	PN25	Welded Welded acc. WPS
5	Black Steel 1 Sandblastet		EN13480
C34	Generic Fitted Pipping Black Steel Declaration Supplier Component Declaration	PN25	Fitted With "Garn & Salve"
37	Black Steel 2 No action		

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P-Engineering Pipe Specification Overview

Steam Raw

PN40

PN: PN40 Operation Data [P] 30 [T] 253

Description Industrial Steam System

C05	General EN-Series	PN40	Welded
	Black Steel Welded PN40		Welded acc. WPS
	PED	Compliance	EN13480
6	Black Steel 1	Sandblastet	

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P-Engineering Pipe Specification Overview

Steam Raw

PN64

PN: PN64 Operation Data [P] 50 [T] 265

Description Industrial Steam System

C06	General EN-Series	PN64	Welded
	Black Steel Welded PN64		Welded acc. WPS
	PED	Compliance	EN13480
7	Black Steel 1	Sandblastet	

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P-Engineering Pipe Specification Overview

Water Osmosis

PN10

PN: PN10 Operation Data [P] 8 [T] 40

Description Osmosis Water

G02	Generic SDR9 PEX Piping max 70C Supplier PED by Supplier Specification	PN10	Compression I Compression connection tighten with tool
51	N/A N/A		
G21	Generic SDR9 PEX Piping max 95C Supplier PED by Supplier Specification	PN06	Compression I Compression connection tighten with tool
53	N/A N/A		
M82	Uponor MLS Metallic Pipe PLUS max 70C Supplier PED by Supplier Specification	PN10	Compression I Compression connection tighten with tool
65	N/A N/A		
M92	Uponor MLS Uni Pipe PLUS max 70C - Hvid Supplier PED by Supplier Specification	PN10	Compression I Compression connection tighten with tool
64	N/A N/A		
R03	General EN-Series Stainless Steel SMO 1.4547 PED Compliance	PN16	Welded Welded acc. WPS EN13480
62	N/A N/A		
S73	Viega Stainless Steel; 1.4404 Supplier PED by Supplier Specification	PN16	Pressing Press with Pressing Tool / Matrix
21	N/A N/A		
S83	Blucher Mapress Stainless Steel; 1.4404 Supplier PED by Supplier Specification	PN16	Pressing Press with Pressing Tool / Matrix
22	N/A N/A		

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P-Engineering Pipe Specification Overview

S93	Broen Stainless Steel; 1.4404 Supplier	PN16 PED by Supplier Specification	Pressing Press with Pressing Tool / Matrix
23	N/A	N/A	



P-Engineering Pipe Specification Overview

Water Sea

PN10

PN: PN10 Operation Data [P] 8 [T] 50

Description Seawater Salinity 3.8%

P03	General GRP Piping Declaration	PN16	Glue Male/Female Socket with Glue
48	N/A Supplier Component Declaration N/A		
R03	General EN-Series Stainless Steel SMO 1.4547 PED	PN16	Welded Welded acc. WPS
62	N/A Compliance N/A		EN13480
T02	General EN-Series Titanium Pending PED	PN10	Welded Welded acc. WPS
71	N/A Compliance N/A		EN13480
T03	General EN-Series Titanium Pending PED	PN16	Welded Welded acc. WPS
70	N/A Compliance N/A		EN13480
T03	General EN-Series Titanium Pending PED	PN16	Welded Welded acc. WPS
70	N/A Compliance N/A		EN13480

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P-Engineering Pipe Specification Overview

Water Sea **PN16**

PN: PN16 Operation Data [P] 12 [T] 50

Description Seawater Salinity 3.8%

P-Engineering Pipe Specification Overview

Water Tap Cold

PN10

PN: PN10 Operation Data [P] 8 [T] 40

Description General Tap Water

G02	Generic SDR9 PEX Piping max 70C Supplier PED by Supplier Specification	PN10	Compression I Compression connection tighten with tool
51	N/A N/A		
G21	Generic SDR9 PEX Piping max 95C Supplier PED by Supplier Specification	PN06	Compression I Compression connection tighten with tool
53	N/A N/A		
J52	General PEM Rør Supplier PED by Supplier Specification	PN10	Compression I Compression connection tighten with tool
66	N/A N/A		
M82	Uponor MLS Metallic Pipe PLUS max 70C Supplier PED by Supplier Specification	PN10	Compression I Compression connection tighten with tool
65	N/A N/A		
M92	Uponor MLS Uni Pipe PLUS max 70C - Hvid Supplier PED by Supplier Specification	PN10	Compression I Compression connection tighten with tool
64	N/A N/A		
R03	General EN-Series Stainless Steel SMO 1.4547 PED Compliance	PN16	Welded Welded acc. WPS EN13480
62	N/A N/A		
S12	General EN-Series Stainless Steel 1.4404 Welded PN10, Loose flange PED Compliance	PN10	Welded w. Inert Gas Welded acc. WPS EN13480
27	N/A N/A		

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P-Engineering Pipe Specification Overview

S13	General EN-Series Stainless Steel 1.4404 Welded PN16 PED Compliance	PN16	Welded w. Inert Gas Welded acc. WPS
28	N/A	N/A	EN13480
S43	Generic Fitted Piping Stainless Steel 1.4404 Declaration Supplier Component Declaration	PN16	Fitted With "Garn & Salve"
41	N/A	N/A	
S73	Viega Stainless Steel; 1.4404 Supplier PED by Supplier Specification	PN16	Pressing Press with Pressing Tool / Matrix
21	N/A	N/A	
S83	Blucher Mapress Stainless Steel; 1.4404 Supplier PED by Supplier Specification	PN16	Pressing Press with Pressing Tool / Matrix
22	N/A	N/A	
S93	Broen Stainless Steel; 1.4404 Supplier PED by Supplier Specification	PN16	Pressing Press with Pressing Tool / Matrix
23	N/A	N/A	

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P-Engineering Pipe Specification Overview

Water Tap Cold

PN16

PN: PN16 Operation Data [P] 14 [T] 40

Description General Tap Water

R03	General EN-Series Stainless Steel SMO 1.4547 PED Compliance N/A N/A	PN16	Welded Welded acc. WPS EN13480
62			
S13	General EN-Series Stainless Steel 1.4404 Welded PED Compliance N/A N/A	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
28			
S43	Generic Fitted Piping Stainless Steel 1.4404 Declaration Supplier Component Declaration N/A N/A	PN16	Fitted With "Garn & Salve"
41			
S73	Viega Stainless Steel; 1.4404 Supplier PED by Supplier Specification N/A N/A	PN16	Pressing Press with Pressing Tool / Matrix
21			
S83	Blucher Mapress Stainless Steel; 1.4404 Supplier PED by Supplier Specification N/A N/A	PN16	Pressing Press with Pressing Tool / Matrix
22			
S93	Broen Stainless Steel; 1.4404 Supplier PED by Supplier Specification N/A N/A	PN16	Pressing Press with Pressing Tool / Matrix
23			

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P-Engineering Pipe Specification Overview

Water Tap Cold

PN25

PN: PN25 Operation Data [P] 23 [T] 40

Description General Tap Water

S44	Generic	PN25	Fitted
	Fitted Piping Stainless Steel 1.4404		With "Garn & Salve"
	Declaration	Supplier Component Declaration	
43	N/A	N/A	

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P-Engineering Pipe Specification Overview

Water Tap Hot

PN10

PN: PN10 Operation Data [P] 7 [T] 80

Description General Hot Tap Water

G21	Generic SDR9 PEX Piping max 95C Supplier PED by Supplier Specification	PN06	Compression I Compression connection tighten with tool
53	N/A N/A		
M82	Uponor MLS Metallic Pipe PLUS max 70C Supplier PED by Supplier Specification	PN10	Compression I Compression connection tighten with tool
65	N/A N/A		
M92	Uponor MLS Uni Pipe PLUS max 70C - Hvid Supplier PED by Supplier Specification	PN10	Compression I Compression connection tighten with tool
64	N/A N/A		
R03	General EN-Series Stainless Steel SMO 1.4547 PED Compliance	PN16	Welded Welded acc. WPS EN13480
62	N/A N/A		
S12	General EN-Series Stainless Steel 1.4404 Welded PN10, Loose flange PED Compliance	PN10	Welded w. Inert Gas Welded acc. WPS EN13480
27	N/A N/A		
S13	General EN-Series Stainless Steel 1.4404 Welded PN16 PED Compliance	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
28	N/A N/A		
S43	Generic Fitted Piping Stainless Steel 1.4404 Declaration Supplier Component Declaration	PN16	Fitted With "Garn & Salve"
41	N/A N/A		
S73	Viega Stainless Steel; 1.4404 Supplier PED by Supplier Specification	PN16	Pressing Press with Pressing Tool / Matrix
21	N/A N/A		

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P-Engineering Pipe Specification Overview

S83	Blucher Mapress Stainless Steel; 1.4404 Supplier PED by Supplier Specification	PN16	Pressing Press with Pressing Tool / Matrix
22	N/A	N/A	
S93	Broen Stainless Steel; 1.4404 Supplier PED by Supplier Specification	PN16	Pressing Press with Pressing Tool / Matrix
23	N/A	N/A	

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P-Engineering Pipe Specification Overview

Water Tap Hot

PN16

PN: PN16 Operation Data [P] 12 [T] 80

Description General Hot Tap Water

R03	General EN-Series Stainless Steel SMO 1.4547 PED Compliance N/A N/A	PN16	Welded Welded acc. WPS EN13480
62			
S13	General EN-Series Stainless Steel 1.4404 Welded PED Compliance N/A N/A	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
28			
S43	Generic Fitted Piping Stainless Steel 1.4404 Declaration Supplier Component Declaration N/A N/A	PN16	Fitted With "Garn & Salve"
41			
S73	Viega Stainless Steel; 1.4404 Supplier PED by Supplier Specification N/A N/A	PN16	Pressing Press with Pressing Tool / Matrix
21			
S83	Blucher Mapress Stainless Steel; 1.4404 Supplier PED by Supplier Specification N/A N/A	PN16	Pressing Press with Pressing Tool / Matrix
22			
S93	Broen Stainless Steel; 1.4404 Supplier PED by Supplier Specification N/A N/A	PN16	Pressing Press with Pressing Tool / Matrix
23			

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P-Engineering Pipe Specification Overview

Water Tap Hot

PN25

PN: PN25 Operation Data [P] 20 [T] 80

Description General Hot Tap Water

S44	Generic	PN25	Fitted
	Fitted Piping Stainless Steel 1.4404		With "Garn & Salve"
	Declaration	Supplier Component Declaration	
43	N/A	N/A	

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P-Engineering Pipe Specification Overview

Water Technical

PN10

PN: PN10 Operation Data [P] 8 [T] 50

Description Technical Water General

G02	Generic SDR9 PEX Piping max 70C Supplier PED by Supplier Specification	PN10	Compression I Compression connection tighten with tool
51	N/A N/A		
G21	Generic SDR9 PEX Piping max 95C Supplier PED by Supplier Specification	PN06	Compression I Compression connection tighten with tool
53	N/A N/A		
M82	Uponor MLS Metallic Pipe PLUS max 70C Supplier PED by Supplier Specification	PN10	Compression I Compression connection tighten with tool
65	N/A N/A		
M92	Uponor MLS Uni Pipe PLUS max 70C - Hvid Supplier PED by Supplier Specification	PN10	Compression I Compression connection tighten with tool
64	N/A N/A		
P03	General GRP Piping Declaration Supplier Component Declaration	PN16	Glue Male/Female Socket with Glue
48	N/A N/A		
R03	General EN-Series Stainless Steel SMO 1.4547 PED Compliance	PN16	Welded Welded acc. WPS EN13480
62	N/A N/A		
S73	Viega Stainless Steel; 1.4404 Supplier PED by Supplier Specification	PN16	Pressing Press with Pressing Tool / Matrix
21	N/A N/A		

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P-Engineering Pipe Specification Overview

S83	Blucher Mapress Stainless Steel; 1.4404 Supplier PED by Supplier Specification	PN16	Pressing Press with Pressing Tool / Matrix
22	N/A	N/A	
S93	Broen Stainless Steel; 1.4404 Supplier PED by Supplier Specification	PN16	Pressing Press with Pressing Tool / Matrix
23	N/A	N/A	

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P-Engineering Pipe Specification Overview

Water w. Bio residue

PN10

PN: PN10 Operation Data [P] 8 [T] 50

Description Technical Water with Bio Residue / Bactecia

C52	General EN-Series with rubber Lining Black Steel Piping PED Compliance Lined Rubber Lining	PN10	Welded Welded acc. WPS	EN13480
56				
C53	General EN-Series with rubber Lining Black Steel Piping PED Compliance Lined Rubber Lining	PN16	Welded Welded acc. WPS	EN13480
57				
P03	General GRP Piping Declaration Supplier Component Declaration N/A N/A	PN16	Glue Male/Female Socket with Glue	
48				
R03	General EN-Series Stainless Steel SMO 1.4547 PED Compliance N/A N/A	PN16	Welded Welded acc. WPS	EN13480
62				

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