

Acid	HCI 30%	PN10
N: P	N10 Operation Data [P] 6 [T] 50	
escriptio	on Hydrocloric Acid 30%	
J22	General PN10 PE100 Pipe System Supplier PED by Supplier Specification	Butt Fusion Mirror Welding / Butt Fusion
69	N/A N/A	

### **P-Engineering:**



# Acid Industry, Gen, **PN10** PN: PN10 **Operation Data** 8 [T] 50 Description Acid General Industrial Grade General PN10 **Butt Fusion J22** PE100 Pipe System Mirror Welding / Butt Fusion Supplier PED by Supplier Specification N/A N/A 69

### **P-Engineering:**



# **Acid Pharma, General PN10** PN: PN10 Operation Data 8 [T] 50 Description Acid General Pharma Grade General PN10 **Butt Fusion J22** PE100 Pipe System Mirror Welding / Butt Fusion Supplier PED by Supplier Specification N/A N/A 69

### **P-Engineering:**



**Air Compressed T** 

	ompres			PNIU
N: PI	N10 Operation	n Data [P] 8 [T]	30	
escriptio	on Compre	essed Air Industrial Grade		
93	General Hose (TPU) a Supplier	and Fittings PED by Supplier Speci	PN16 fication	Compression I Compression connection tighten with tool
74	N/A	N/A		
<b>602</b>	PED	el 1.4307 Welded PN10, Lo Complience	PN10 oose flange	Welded w. Inert Gas Welded acc. WPS EN13480
24 <b>603</b>	N/A General EN-S Stainless Ste PED N/A	N/A Series el 1.4307 Welded PN16 Complience N/A	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
<b>512</b>	General EN-S	<u>'</u>	PN10 pose flange	Welded w. Inert Gas Welded acc. WPS EN13480
28	General EN-S	•	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
<b>333</b>	Generic	Stainless Steel 1.4307 Supplier Component D N/A	PN16 Declaration	Fitted With "Garn & Salve"
643	Generic	Stainless Steel 1.4404 Supplier Component D N/A	PN16 Declaration	Fitted With "Garn & Salve"

### **P-Engineering:**

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PN<sub>10</sub>



Description P93 Gen	<u>_</u>	[P] 12 [T]	30	
<b>P93</b> Gen	<u>_</u>	r Industrial Grade		
PJJ				
	e (TPU) and Fitt	ings ED by Supplier Spec	PN16 cification	Compression I Compression connection tighten with tool
74 N/A	N/	'A		
Stai PED	Co	07 Welded PN16 omplience	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
25 N/A	N/ eral EN-Series	A	PN16	Welded w. Inert Gas
212	nless Steel 1.44 Co	04 Welded PN16 omplience	PNIO	Welded acc. WPS EN13480
<b>S33</b> Gen		Λ	PN16	Fitted
Fitte	ed Piping Stainle aration Su	ess Steel 1.4307 applier Component		With "Garn & Salve"
S43 Gen	eric ed Piping Stainle	ess Steel 1.4404 applier Component	PN16 Declaration	Fitted With "Garn & Salve"
41 N/A				
	ed Piping Stainle	ess Steel 1.4404 applier Component	PN25 Declaration	Fitted With "Garn & Salve"
43 <b>N/A</b>	N/	Ά		

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Air C	Compressed III	PN10
N: P	N10 Operation Data [P] 0 [T] 0	
escriptic	on Compressed Air Pharma Grade	
<b>523</b>	Alfa Laval PN16 Pharma Piping - EN 10357 Series 1.4404 (Diary Pipe PED Complience Pharma Ra < 0,8 my	Welded w. Inert Gas Welded acc. WPS EN13480
526	Alfa Laval PN16 Pharma Piping - EN 10217 Series 1.4404 PED Complience	Welded w. Inert Gas Welded acc. WPS EN13480
34	Pharma Ra < 0,8 my	

### **P-Engineering:**



Air (	Compressed IV	PN16
PN:	PN16 Operation Data [P] 8 [T] 30	
S23	Alfa Laval Pharma Grade  Alfa Laval Pharma Piping - EN 10357 Series 1.4404 (Diary Pipe PED Complience Pharma Ra < 0,8 my	Welded w. Inert Gas Welded acc. WPS EN13480
<b>S26</b>	Alfa Laval PN16 Pharma Piping - EN 10217 Series 1.4404 PED Complience	Welded w. Inert Gas Welded acc. WPS EN13480
34	PED Complience Pharma Ra < 0,8 my	EN13480

### **P-Engineering:**



Welded w. Inert Gas Welded acc. WPS EN13480 Welded w. Inert Gas Welded acc. WPS
Welded acc. WPS EN13480 Welded w. Inert Gas
EN13480

### **P-Engineering:**



PN16 Compression II Compression DIN 2353 pipe fittings PED by Supplier Specification (connection with a cutting ring)  N/A  PN16 Soldering	Generic Cupper Piping - Compression Supplier PED by Supplier Specification Cupper Piping - Soldering Cupper Piping - Solded Supplier PED by Supplier Specification Cupper Piping - Solded Supplier PED by Supplier Specification Cupper Piping - Solded Supplier PED by Supplier Specification With Flush	CO2		PN10
PN16 Compression II Compression DIN 2353 pipe fittings (connection with a cutting ring)  N/A  PN16 Soldering Solded With Flush PED by Supplier Specification	Generic Cupper Piping - Compression Supplier  PED by Supplier Specification  N/A  N/A  Seneric Cupper Piping - Solded Supplier  PED by Supplier Specification  PN16  Soldering With Flush  Supplier  PED by Supplier Specification	PN: PN	N10 Operation Data [P] 6 [T] -40	
Compression  PED by Supplier Specification  N/A  PN16  PN16  Soldering  Solded  PED by Supplier Specification  With Flush  PED by Supplier Specification	Cupper Piping - Compression Supplier PED by Supplier Specification  N/A  N/A  Seneric Cupper Piping - Solded Supplier  PED by Supplier Specification  DIN 2353 pipe fittings (connection with a cutting ring)  Soldering With Flush Supplier  PED by Supplier Specification	Descriptio	n Industrial Cooling System	
PN16 Soldering Solded With Flush PED by Supplier Specification	Generic PN16 Soldering Cupper Piping - Solded With Flush Supplier PED by Supplier Specification	K43	Cupper Piping - Compression	DIN 2353 pipe fittings (connection with a cutting
Solded With Flush PED by Supplier Specification	Cupper Piping - Solded With Flush Supplier PED by Supplier Specification	73	N/A N/A	
N/A	55 N/A N/A	K53	Cupper Piping - Solded Supplier PED by Supplier Specification	With Flush
		55		

### **P-Engineering:**



PN: PN				PN10
TIV. PIN	J10 Operation Da	ata [P] <b>8</b> [T]	50	
Description	n General Co	ooling 35% Glycol		
<b>CO2</b>	General EN-Seri Black Steel Weld PED Black Steel 1		PN10	Welded Welded acc. WPS EN13480
<b>C03</b>	General EN-Seri Black Steel Weld PED Black Steel 1		PN16	Welded Welded acc. WPS EN13480
C22	Vitaulic Black Steel Pipir Declaration	ng Supplier Component I	PN10 Declaration	Clamp Clamp with Gasket with Bolting
45 <b>C33</b>	Black Steel 2 +GF+ Fitted Pipping B	No action lack Steel	PN16	Fitted With "Garn & Salve"
36	Declaration Black Steel 2	Supplier Component No action	Declaration	
C43	+GF+ Fitted Pipping B Declaration Galvanized	lack Steel Supplier Component I Hot Dip Galvanized	PN16 Declaration	Fitted With "Garn & Salve"
G12	Generic SDR9	70C with Oxygen Barri PED by Supplier Spec		Compression I Compression connection tighten with tool
52	N/A	N/A		
<b>S02</b>	PED	1.4307 Welded PN10, L Complience	PN10 oose flange	Welded w. Inert Gas Welded acc. WPS EN13480
<b>S03</b>	N/A General EN-Seri Stainless Steel 1 PED	N/A es 1.4307 Welded PN16 Complience	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
25	N/A	N/A		

### **P-Engineering:**



040	Conoral EN Corri		DNI10	Wolded Their Cas
<b>S12</b>	General EN-Seri		PN10	Welded w. Inert Gas
		L.4404 Welded PN10, L	oose flange.	Welded acc. WPS
	PED	Complience		EN13480
27	N/A	N/A		
<b>S13</b>	General EN-Seri		PN16	Welded w. Inert Gas
		1.4404 Welded PN16		Welded acc. WPS
	PED	Complience		EN13480
28	N/A	N/A		
<b>S33</b>	Generic		PN16	Fitted
	Fitted Piping Sta	ainless Steel 1.4307		With "Garn & Salve"
	Declaration	Supplier Component	Declaration	
40	N/A	N/A		
<b>S34</b>	Generic	•	PN25	Fitted
<b>33</b> 7	Fitted Piping Sta	ainless Steel 1.4307		With "Garn & Salve"
	Declaration	Supplier Component	Declaration	
42	N/A	N/A		
<b>S43</b>	Generic		PN16	Fitted
343		ainless Steel 1.4404		With "Garn & Salve"
	Declaration	Supplier Component	Declaration	With Carrie Carre
41	N/A	N/A	Deciaration	
	Viega	11/71	PN16	Pressing
<b>S73</b>	Stainless Steel;	1 4404	11110	Press with Pressing Tool /
	Supplier	PED by Supplier Spec	rification	Matrix
	Suppliel	FLD by Supplier Spec	Lincation	Matrix
21	N/A	N/A		
<b>S83</b>	Blucher Mapres		PN16	Pressing
303	Stainless Steel;			Press with Pressing Tool /
	Supplier	PED by Supplier Spec	rification	Matrix
	Заррпеі	1 LD by Supplier Spec	Siricación	Tiddi.
22	N/A	N/A		
<b>S93</b>	Broen		PN16	Pressing
	Stainless Steel;	1.4404		Press with Pressing Tool /
	Supplier	PED by Supplier Spec	cification	Matrix
23	N/A	N/A		

### **P-Engineering:**



Cool	ing II			PN16	
PN: P	N16 Operation D	oata [P] <b>12</b> [T]	50		
Description	on General C	ooling 35% Glycol			
<b>C03</b>	General EN-Ser Black Steel We PED Black Steel 1		PN16	Welded Welded acc. WPS EN13480	
C23	Vitaulic Black Steel Pipi Declaration	ng Supplier Component [	PN16 Declaration	Clamp Clamp with Gasket with Bolting	
46	Black Steel 2	No action			
C33	+GF+ Fitted Pipping E Declaration	Supplier Component [	PN16 Declaration	Fitted With "Garn & Salve"	
36	Black Steel 2 +GF+	No action	PN16	Fitted	
C43	Fitted Pipping I Declaration Galvanized			With "Garn & Salve"	
<b>S03</b>	General EN-Ser Stainless Steel PED N/A	•	PN16	Welded w. Inert Gas Welded acc. WPS EN13480	
<b>S13</b>	General EN-Ser		PN16	Welded w. Inert Gas Welded acc. WPS EN13480	
<b>S33</b>	Generic Fitted Piping St Declaration	ainless Steel 1.4307 Supplier Component [	PN16 Declaration	Fitted With "Garn & Salve"	
\$3 <b>4</b>	N/A Generic Fitted Piping St Declaration	N/A rainless Steel 1.4307 Supplier Component [	PN25 Declaration	Fitted With "Garn & Salve"	
42	N/A	N/A			

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<b>S43</b>	Generic		PN16	Fitted
	Fitted Piping Sta	inless Steel 1.4404		With "Garn & Salve"
	Declaration	Supplier Component Declar	ration	
41	N/A	N/A		
<b>S73</b>	Viega		PN16	Pressing
<b>373</b>	Stainless Steel;	1.4404		Press with Pressing Tool /
	Supplier	PED by Supplier Specificati	on	Matrix
21	N/A	N/A		
<b>S83</b>	Blucher Mapress		PN16	Pressing
	Stainless Steel;	1.4404		Press with Pressing Tool /
	Supplier	PED by Supplier Specificati	on	Matrix
22	N/A	N/A		
<b>S93</b>	Broen		PN16	Pressing
	Stainless Steel;	1.4404		Press with Pressing Tool /
	Supplier	PED by Supplier Specificati	on	Matrix
23	N/A	N/A		



	ilig III			11125
N: PI	N25 Operation (	Data [P] <b>20</b> [T]	50	
Descriptio	n General C	Cooling 35% Glycol		
<b>C04</b>	General EN-Se Black Steel We PED Black Steel 1		PN25	Welded Welded acc. WPS EN13480
C24	Vitaulic Black Steel Pip Declaration	Supplier Component [	PN25 Declaration	Clamp Clamp with Gasket with Bolting
47	Black Steel 2	No action		
S04	General EN-Se Stainless Steel PED N/A	ries 1.4307 Welded PN25 Complience N/A	PN25	Welded w. Inert Gas Welded acc. WPS EN13480
\$14	General EN-Se Stainless Steel PED	ries 1.4404 Welded PN25 Complience	PN25	Welded w. Inert Gas Welded acc. WPS EN13480
29	N/A	N/A		
<b>S34</b>	Generic Fitted Piping S Declaration N/A	tainless Steel 1.4307 Supplier Component [ N/A	PN25 Declaration	Fitted With "Garn & Salve"
<b>S43</b>	Generic Fitted Piping S Declaration N/A	tainless Steel 1.4404 Supplier Component E N/A	PN16 Declaration	Fitted With "Garn & Salve"

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Cooling III

**PN25** 



#### **Cooling Marine LNG** PN: **Operation Data** [P] 6 [T] -180 PN10 Description Glycol for LNG etc. General EN-Series with Groove/Tungue PN10 Welded **C62** Black Steel Piping Marine Welded acc. WPS **PED** Complience EN13480 Black Steel 1 Sandblastet 59 Generic PN16 Fitted **S33** Fitted Piping Stainless Steel 1.4307 With "Garn & Salve" Declaration Supplier Component Declaration N/A N/A Generic PN16 Fitted **S43** Fitted Piping Stainless Steel 1.4404 With "Garn & Salve" Declaration Supplier Component Declaration N/A N/A 41

### **P-Engineering:**

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**PN10** 



# Cooling Marine LNG PN: PN16 Operation Data [P] 12 [T] -180

FIN.	PIVIO Operation t	Data [F] 12 [1] -	-100	
Descript	ion Glycol for	LNG Cooling etc.		
<b>C63</b>	General EN-Se	ries with Groove/Tungue	PN16	Welded
	Black Steel Pip	ing Marine		Welded acc. WPS
	PED	Complience		EN13480
60	Black Steel 1	Sandblastet		
<b>S33</b>	Generic		PN16	Fitted
	Fitted Piping S	tainless Steel 1.4307		With "Garn & Salve"
	Declaration	Supplier Component De	claration	
40	N/A	N/A		
<b>S43</b>	Generic		PN16	Fitted
	Fitted Piping S	tainless Steel 1.4404		With "Garn & Salve"
	Declaration	Supplier Component De	claration	
41	N/A	N/A		

### **P-Engineering:**



# Cooling Marine LNG PN25

PN:	PN25	Operation D	ata [P]	20	[T]	-180				
Descrip	otion	Glycol for	LNG Cooling e	tc.						
C64	. Ge	neral EN-Ser	ies with Groo	ve/Tu	ıngue	PN	N25	Welded		
	Bla	ick Steel Pipii	ng Marine					Welded	acc. WPS	
	PE	D	Complience	9						EN13480
61	Bla	ick Steel 1	Sandblaste	t						
<b>S14</b>	<b>.</b> Ge	neral EN-Seri	ies			PN	N25	Welded	w. Inert (	Gas
<b>-</b>		ainless Steel	1.4404 Welde	ed PN	25			Welded	acc. WPS	
	PE	D	Complience	9						EN13480
29	N/A	A	N/A							
<b>S34</b>	<b>.</b> Ge	neric				PN	N25	Fitted		
00.	Fitt	ted Piping St	ainless Steel	1.430	)7			With "G	arn & Sal	lve"
	De	claration	Supplier Co	mpo	nent [	Declarati	ion			
42	N//	A	N/A							
<b>S44</b>	. Ge	neric				PN	N25	Fitted		
<b>.</b>		ted Piping St	ainless Steel	1.440	)4			With "G	arn & Sal	lve"
	De	claration	Supplier Co	mpo	nent [	Declarati	ion			
43	N/A	A	N/A							

### **P-Engineering:**



#### **Cooling Onshore LNG PN10** PN: PN10 Operation Data 6 [T] -180 [P] Description Glycol for LNG etc. General EN-Series Welded PN10 **CO2** Black Steel Welded PN10 Welded acc. WPS PED Complience EN13480 Black Steel 1 Sandblastet General EN-Series PN16 Welded **CO3** Black Steel Welded PN16 Welded acc. WPS PED Complience EN13480 Black Steel 1 Sandblastet General EN-Series PN10 Welded w. Inert Gas **S02** Welded acc. WPS Stainless Steel 1.4307 Welded PN10, Loose flange PED Complience EN13480 N/A N/A 24 General EN-Series PN16 Welded w. Inert Gas **S03** Stainless Steel 1.4307 Welded PN16 Welded acc. WPS PED Complience EN13480 N/A N/A General EN-Series PN10 Welded w. Inert Gas **S12** Welded acc. WPS Stainless Steel 1.4404 Welded PN10, Loose flange PED Complience EN13480 N/A N/A 27 General EN-Series PN16 Welded w. Inert Gas **S13** Welded acc. WPS Stainless Steel 1.4404 Welded PN16 PED Complience EN13480 N/A N/A Generic PN16 Fitted **S33** Fitted Piping Stainless Steel 1.4307 With "Garn & Salve" Declaration Supplier Component Declaration N/A N/A Generic PN16 Fitted **S43** Fitted Piping Stainless Steel 1.4404 With "Garn & Salve" Supplier Component Declaration Declaration N/A N/A 41

### **P-Engineering:**



#### **Cooling Onshore LNG PN16** PN: Operation Data [P] 12 [T] -180 PN16 Description Glycol for LNG Cooling etc. General EN-Series Welded PN16 **CO3** Black Steel Welded PN16 Welded acc. WPS PED Complience EN13480 Black Steel 1 Sandblastet General EN-Series PN16 Welded w. Inert Gas **S03** Stainless Steel 1.4307 Welded PN16 Welded acc. WPS **PED** Complience EN13480 N/A N/A 25 General EN-Series PN25 Welded w. Inert Gas **S04** Stainless Steel 1.4307 Welded PN25 Welded acc. WPS PED Complience EN13480 N/A N/A 26 General EN-Series PN16 Welded w. Inert Gas **S13** Stainless Steel 1.4404 Welded PN16 Welded acc. WPS PED Complience EN13480 N/A N/A 28 Generic PN16 Fitted S33 Fitted Piping Stainless Steel 1.4307 With "Garn & Salve" Declaration Supplier Component Declaration N/A N/A 40 Generic PN16 Fitted **S43** Fitted Piping Stainless Steel 1.4404 With "Garn & Salve" Supplier Component Declaration Declaration 41 N/A N/A

### **P-Engineering:**



**Cooling Onshore LNG** 

#### PN: Operation Data [P] 20 [T] -180 PN25 Description Glycol for LNG Cooling etc. General EN-Series PN25 Welded **C04** Black Steel Welded PN25 Welded acc. WPS PED Complience EN13480 Black Steel 1 Sandblastet General EN-Series PN25 Welded w. Inert Gas **S04** Stainless Steel 1.4307 Welded PN25 Welded acc. WPS **PED** Complience EN13480 N/A N/A 26 PN25 Generic Fitted **S44** Fitted Piping Stainless Steel 1.4404 With "Garn & Salve" Declaration Supplier Component Declaration N/A N/A 43

### **P-Engineering:**

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**PN25** 



						1110
PN:	PN10 Operatio	n Data [P]	6 [T]	50		
Descript	tion Ethano	l Solvent %				
<b>S12</b>	General EN-S	Series		PN10	Welded w. Inert (	Gas
	Stainless Ste	el 1.4404 Weld	ed PN10, Lo	ose flange	Welded acc. WPS	
	PED	Complienc	е			EN13480
27	N/A	N/A				
<b>S13</b>	General EN-S	Series		PN16	Welded w. Inert (	Gas
	Stainless Ste	el 1.4404 Weld	ed PN16		Welded acc. WPS	
	PED	Complienc	е			EN13480
28	N/A	N/A				
<b>S23</b>	Alfa Laval			PN16	Welded w. Inert (	Gas
<b>0 1 0</b>	Pharma Pipir	ng - EN 10357 S	Series 1.440	4 (Diary Pipe	Welded acc. WPS	
	PED	Complienc	е			EN13480
33	Pharma	Ra < 0,8 r	ny			
<b>S26</b>	Alfa Laval			PN16	Welded w. Inert (	Gas
<b>-</b>	Pharma Pipir	ng - EN 10217 S	Series 1.440	4	Welded acc. WPS	
	PED	Complience	е			EN13480
34	Pharma	Ra < 0,8 r	ny			

### **P-Engineering:**

**Ethanol I** 

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**PN10** 



Flue	Gas I			PN00
N: PI	N00 Operation	Data [P] 0 [T	300	
escriptio	n Flue Gas			
R09	Pending Instrument Pip PED	oing Complience	100	Compression I Compression connection tighten with tool EN13480
68	N/A	N/A		
509	Pending Instrument Pip PED	oing Complience	PN100	Compression I Compression connection tighten with tool EN13480
67	N/A	N/A		

### **P-Engineering:**



Flue	Gas II			PN00
PN: PI	N00 Operation	on Data [P] 0 [	[T] 600	
escriptio	n Flue G	as		
R09	Pending Instrument PED	Piping Complience	100	Compression I Compression connection tighten with tool EN13480
68	N/A	N/A		
509	Pending Instrument PED	Piping Complience	PN100	Compression I Compression connection tighten with tool EN13480
67	N/A	N/A		

### **P-Engineering:**



Heat	ing Centi	al		PN10
PN: PI	N10 Operation Dat	a [P] 8 [T]	100	
Descriptio	n General Hea	ting Systems		
<b>C02</b>	General EN-Serie Black Steel Welde PED Black Steel 1		PN10	Welded Welded acc. WPS EN13480
<b>C03</b>	General EN-Serie Black Steel Weldo PED Black Steel 1	S	PN16	Welded Welded acc. WPS EN13480
C22	Vitaulic Black Steel Piping Declaration	) Supplier Component De	PN10 eclaration	Clamp Clamp with Gasket with Bolting
45 <b>C33</b>	Black Steel 2 +GF+ Fitted Pipping Black Declaration Black Steel 2	No action  ack Steel Supplier Component De No action	PN16 eclaration	Fitted With "Garn & Salve"
C43	+GF+ Fitted Pipping Bla Declaration Galvanized		PN16 eclaration	Fitted With "Garn & Salve"
C73	Viega Black Steel Press Supplier	Piping PED by Supplier Specifi	PN16 ication	Pressing Press with Pressing Tool / Matrix
C83	FZ Blucher Mapress Black Steel Press Supplier	Piping PED by Supplier Specification	PN16 ication	Pressing Press with Pressing Tool / Matrix
19	FZ	FZ Plated		
C93	Broen Black Steel Press Supplier	Piping PED by Supplier Specifi	PN16 ication	Pressing Press with Pressing Tool / Matrix
20	FZ	FZ Plated		

### **P-Engineering:**



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



Heating Central

пеа	ting Cent	rai	PN16
N: P	N16 Operation Da	ata [P] 14 [T] 100	
escription	on General He	eating Systems	
<b>CO3</b>	General EN-Seri Black Steel Weld PED Black Steel 1		Welded Welded acc. WPS EN13480
23	Vitaulic Black Steel Pipir Declaration	Supplier Component Declaration	Clamp Clamp with Gasket with Bolting
46	Black Steel 2	No action	Fitted
36	+GF+ Fitted Pipping B Declaration Black Steel 2	PN16 lack Steel Supplier Component Declaration No action	Fitted With "Garn & Salve"
<b>C43</b>	+GF+ Fitted Pipping B Declaration Galvanized	PN16	Fitted With "Garn & Salve"
<b>C73</b>	Viega Black Steel Pres Supplier	PED by Supplier Specification	Pressing Press with Pressing Tool / Matrix
18	FZ Blucher Mapress	FZ Plated PN16	Pressing
C83	Black Steel Pres Supplier		Press with Pressing Tool / Matrix
19	FZ	FZ Plated	
<b>C93</b>	Broen Black Steel Pres Supplier	PN16 s Piping PED by Supplier Specification	Pressing Press with Pressing Tool / Matrix
		FZ Plated	

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**DN16** 



Catill	g Cent	ral			PN25
l: PN25	Operation Da	ata [P]	22 [T]	100	
escription	General He	ating Systems			
Bla PE	eneral EN-Seri ack Steel Weld ED ack Steel 1			PN25	Welded Welded acc. WPS EN13480
24 Vit	taulic ack Steel Pipir eclaration	ng		PN25 t Declaration	Clamp Clamp with Gasket with Bolting

### **P-Engineering:**



<b>Heat</b>	ting	g Cent	ral			- 1	PN40
l: PI	N40	Operation Da	ata [P]	36 [T]	100		
escriptio	n	General He	eating Systen	ns			
<b>CO4</b>	Bla PEI	neral EN-Seri ck Steel Wel O ck Steel 1			PN25	Welded Welded acc. WPS	S EN13480

### **P-Engineering:**



**Heating District** 

	cing bisc				-	1110
PN: P	N16 Operation I	Data [P]	13 [T]	120		
Descripti	on District H	eating				
C03	General EN-Se	ries		PN16	Welded	
000	Black Steel We	elded PN16			Welded acc. WPS	
	PED	Complience				EN13480
4	Black Steel 1	Sandblastet	:			
C04	General EN-Se	ries		PN25	Welded	
<b>.</b>	Black Steel We	elded PN25			Welded acc. WPS	
	PED	Complience				EN13480
5	Black Steel 1	Sandblastet				
C33	+GF+			PN16	Fitted	
	Fitted Pipping	Black Steel			With "Garn & Salv	/e"
	Declaration	Supplier Co	mponent	Declaration		
36	Black Steel 2	No action				

### **P-Engineering:**

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**PN16** 



Heat	ing Floor	ı		PN06
N: PN	106 Operation Da	ta [P] 5 [T]	50	
escription	n General Flo	or Heating system		
C33	+GF+ Fitted Pipping Bl Declaration	Supplier Component De	PN16 eclaration	Fitted With "Garn & Salve"
36 C43	Black Steel 2 +GF+ Fitted Pipping Bl Declaration Galvanized	No action  ack Steel Supplier Component De  Hot Dip Galvanized	PN16	Fitted With "Garn & Salve"
C73	Viega Black Steel Press Supplier	•	PN16 cation	Pressing Press with Pressing Tool / Matrix
18	FZ	FZ Plated		
C83	Blucher Mapress Black Steel Press Supplier		PN16 cation	Pressing Press with Pressing Tool / Matrix
19	FZ	FZ Plated		
<b>C93</b>	Broen Black Steel Press Supplier FZ	Piping PED by Supplier Specific FZ Plated	PN16 cation	Pressing Press with Pressing Tool / Matrix
20	Generic SDR9	rz Piateu	PN10	Compression I
G12	PEX Piping max Supplier	70C with Oxygen Barrier PED by Supplier Specific		Compression I Compression connection tighten with tool
52	N/A	N/A	DNIGG	Company I
G31	Generic SDR9 PEX Piping max Supplier	95C with Oxygen Barrier PED by Supplier Specifi		Compression I Compression connection tighten with tool
54	N/A	N/A		

### **P-Engineering:**

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LNG		PN10
PN: PN	110 Operation Data [P] 6 [T] -180	
Description	n Liquified Natrural Gas	
C02	General EN-Series PN1 Black Steel Welded PN10 PED Complience Black Steel 1 Sandblastet	10 Welded Welded acc. WPS EN13480
C62	General EN-Series with Groove/Tungue PNI Black Steel Piping Marine PED Complience	10 Welded Welded acc. WPS EN13480
59	Black Steel 1 Sandblastet	

### **P-Engineering:**



PN: PN10 Description		ata [P] <b>12</b> [T]	-180		<b>N16</b>
-	Liquified Na		-100		
C03 (		atrural Gas			
E	General EN-Serion Black Steel Welco PED Black Steel 1	ded PN16 Complience	PN16	Welded Welded acc. WPS	EN13480
<b>C63</b>		es with Groove/Tungue	PN16	Welded Welded acc. WPS	EN13480

### **P-Engineering:**



Black Steel 1 Sandblastet  C64 General EN-Series with Groove/Tungue PN25 Welded Black Steel Piping Marine Welded acc. WPS PED Complience EN134	LNG		PN25
General EN-Series Black Steel Welded PN25 PED Complience Black Steel 1 Sandblastet  C64 General EN-Series with Groove/Tungue Black Steel Piping Marine PED Complience  PN25 Welded Welded acc. WPS Welded Welded Welded acc. WPS EN134	PN: F	N25 Operation Data [P] 20 [T] -180	
Black Steel Welded PN25 PED Complience Black Steel 1 Sandblastet  C64 General EN-Series with Groove/Tungue PN25 Black Steel Piping Marine PED Complience  Welded acc. WPS Welded Welded acc. WPS EN134	Descripti	on Liquified Natrural Gas	
Black Steel Welded PN25 PED Complience Black Steel 1 Sandblastet  C64 General EN-Series with Groove/Tungue Black Steel Piping Marine PED Complience  Welded acc. WPS Welded Welded acc. WPS Welded acc. WPS EN134	C04	General EN-Series PN25	Welded
Black Steel 1 Sandblastet  C64 General EN-Series with Groove/Tungue PN25 Welded Black Steel Piping Marine Welded acc. WPS PED Complience EN134	COT	Black Steel Welded PN25	Welded acc. WPS
General EN-Series with Groove/Tungue PN25 Welded Black Steel Piping Marine Welded acc. WPS PED Complience EN134		PED Complience	EN13480
Black Steel Piping Marine Welded acc. WPS PED Complience EN134	5	Black Steel 1 Sandblastet	
Black Steel Piping Marine Welded acc. WPS PED Complience EN134	C64	General EN-Series with Groove/Tungue PN25	Welded
'	<b>CO</b> -1	Black Steel Piping Marine	Welded acc. WPS
61 Black Steel 1 Sandhlastet		PED Complience	EN13480
of black steel i Saliablastet	61	Black Steel 1 Sandblastet	

### **P-Engineering:**



Lve Industry Gen

Lye	TIII	austiy, '	Gen,				PIN	TO
PN:	PN10	Operation Data	[P]	8	[T]	50		
Descrip	tion	Lye General I	ndustrial G	ade				
<b>J22</b>	Ge	neral				PN10	Butt Fusion	
<i>322</i>		100 Pipe Systen	1				Mirror Welding / Butt	Fusion
	Sup	oplier F	ED by Su	oplier	Speci	fication		
69	N/A	. /	I/A	•				
<b>R03</b>	Ge	neral EN-Series				PN16	Welded	
NOS		inless Steel SM	0 1.4547				Welded acc. WPS	
	PEI	D (	Complience	9			EN	N13480
62	N/A	1	1/A					
<b>S12</b>	Ge	neral EN-Series				PN10	Welded w. Inert Gas	
<b>312</b>	Sta	inless Steel 1.4	404 Welde	ed PN	10, Lo	ose flange	Welded acc. WPS	
	PEI	D (	Complience	9			EN	N13480
27	N/A	1 /	I/A					
<b>S13</b>	Ge	neral EN-Series				PN16	Welded w. Inert Gas	
313		inless Steel 1.4	404 Welde	ed PN	16		Welded acc. WPS	
	PEI	D (	Complience	9			EN	N13480
28	N/A	1	I/A					

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DN10



#### Lye Pharma, General **PN10** PN: PN10 **Operation Data** [P] [T] 50 Description Acid General Pharma Grade General **Butt Fusion J22** PN10 PE100 Pipe System Mirror Welding / Butt Fusion Supplier PED by Supplier Specification N/A N/A Alfa Laval PN16 Welded w. Inert Gas **S23** Pharma Piping - EN 10357 Series 1.4404 (Diary Pipe Welded acc. WPS **PED** Complience EN13480 Pharma Ra < 0.8 my33 Alfa Laval PN16 Welded w. Inert Gas **S26** Welded acc. WPS Pharma Piping - EN 10217 Series 1.4404 PED Complience EN13480 Pharma Ra < 0.8 my34

### **P-Engineering:**



6 [T]	30 PN16		
57 Series 1.4404	PN16		
ence ,8 my		Welded w. Inert Welded acc. WPS	
.7 Series 1.4404 ence	PN16		
	7 Series 1.4404	PN16 7 Series 1.4404 ence	PN16 Welded w. Inert 7 Series 1.4404 Welded acc. WPS ence

### **P-Engineering:**



V-Ga	<b>15 1</b>			PN06
N: P	N06 Operation	Data [P] 1 [T]	50	
escriptio	n N-Gas Dis	stribution		
C33	+GF+		PN16	Fitted
	Fitted Pipping			With "Garn & Salve"
	Declaration	Supplier Component I	Declaration	
36	Black Steel 2	No action	DNIAG	
K43	Generic	Compression	PN16	Compression II
	Supplier	<ul> <li>Compression</li> <li>PED by Supplier Spec</li> </ul>	DIN 2353 pipe fittings (connection with a cutting	
	Заррнеі	1 LD by Supplier Spee	meadon	ring)
73	N/A	N/A		
<b>K93</b>	Broen		PN16	Pressing
	Cupper Piping - Pressed Supplier PED by Supplier Specification			Press with Pressing Tool / Matrix
	Supplier	PED by Supplier Spec	IIICation	Matrix
35	N/A	N/A		
		-		

### **P-Engineering:**



N: PN1	10 Operation Da				<b>N10</b>
			[T] 50		
	General EN-Seri	es - Bend+Bauart5 ded PN10 - N-Gas / Complience Sandblastet		Welded Welded acc. WPS	EN13480
C33	+GF+ Fitted Pipping B Declaration Black Steel 2		PN16 ent Declaration	Fitted With "Garn & Salv	ve"

### **P-Engineering:**



N-Ga	s III				PN16
PN: PN	N16 Operation Da	ata [P]	12 [T]	50	
Description	n N-Gas Dist	ribution			
C13	General EN-Seri Black Steel Weld PED	ded PN16 - N- Complience	-Gas Applio	PN16 cation	Welded Welded acc. WPS EN13480
10	Black Steel 1 +GF+	Sandblastet		PN16	Fitted
<b>C33</b>	Fitted Pipping B Declaration Black Steel 2	lack Steel Supplier Co No action	mponent D		With "Garn & Salve"
C34	Generic Fitted Pipping B Declaration	lack Steel Supplier Co	mponent D	PN25 Declaration	Fitted With "Garn & Salve"
37	Black Steel 2	No action			

### **P-Engineering:**



5 Operation Da	+o [D] 20 [			
N_Gac Dictr	ta [P] <b>20</b> [ ibution	T] 50		
General EN-Serie Black Steel Weld PED	es - Bend+Bauart5 led PN25 - N-Gas A Complience	PN25 application	Welded Welded acc. WPS	EN13480
Generic	ack Steel	PN25 ent Declaration	Fitted With "Garn & Salv	ve"
3 3 = 0	ED Black Steel 1 Generic Fitted Pipping Bl Declaration	ED Complience Black Steel 1 Sandblastet Generic Fitted Pipping Black Steel Declaration Supplier Compone	Slack Steel 1 Sandblastet  Generic PN25  Gitted Pipping Black Steel  Declaration Supplier Component Declaration	Complience  Black Steel 1 Sandblastet  Generic PN25 Fitted  Fitted Pipping Black Steel With "Garn & Salva Declaration Supplier Component Declaration

### **P-Engineering:**



N-Gas VII	PN100
N: PN100 Operation Data [P] 80 [T] 50	
escription N-Gas Distribution Main	
General EN-Series - Bend+Bauart5 PN100 Black Steel Welded PN100 - N-Gas Application PED Complience 14 Black Steel 1 Sandblastet	Welded Welded acc. WPS EN13480
14 Didek Steel 1 Sanablastet	

### **P-Engineering:**



	Diesel I			PN06
N: P	N06 Operation D	vata [P] 4 [T]	50	
Descriptio	on Diesel Oil			
<b>C01</b>	General EN-Ser Black Steel Wel PED Black Steel 1		PN06	Welded Welded acc. WPS EN13480
C33	+GF+ Fitted Pipping E Declaration	Black Steel Supplier Component	PN16 Declaration	Fitted With "Garn & Salve"
36 <b>C33</b>	Black Steel 2 +GF+ Fitted Pipping B Declaration	Black Steel Supplier Component	PN16 Declaration	Fitted With "Garn & Salve"
36 C33	Black Steel 2 +GF+ Fitted Pipping E Declaration Black Steel 2		PN16 Declaration	Fitted With "Garn & Salve"
C43	+GF+ Fitted Pipping E Declaration Galvanized	Black Steel Supplier Component	PN16 Declaration	Fitted With "Garn & Salve"
<b>502</b>	General EN-Ser	· · · · · · · · · · · · · · · · · · ·	PN10 Loose flange	Welded w. Inert Gas Welded acc. WPS EN13480

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OII L	nesei 11			PNIU
PN: P	N10 Operation	Data [P] 8	[T] 50	
Description	on Diesel Oi	I		
<b>C02</b>	General EN-Se	eries	PN10	Welded
	Black Steel We	elded PN10		Welded acc. WPS
	PED	Complience		EN13480
3	Black Steel 1	Sandblastet		
C33	+GF+		PN16	Fitted
<b>C</b> 33	Fitted Pipping	Black Steel		With "Garn & Salve"
	Declaration	Supplier Compon	ent Declaration	
36	Black Steel 2	No action		
C43	+GF+		PN16	Fitted
CTS	Fitted Pipping	Black Steel		With "Garn & Salve"
	Declaration	Supplier Compon	ent Declaration	
38	Galvanized	Hot Dip Galvaniz	ed	
<b>S02</b>	General EN-Se	•	PN10	Welded w. Inert Gas
302	Stainless Stee	I 1.4307 Welded PN1	LO, Loose flange	Welded acc. WPS
	PED	Complience		EN13480
24	N/A	N/A		
	· ·	•		

### **P-Engineering:**

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Oil Diocal II

DN10



Oi	lΗ	ydrau	lic					PN300
PN:	PN	1300 Operati	ion Data	[P]	300 [T]	100		
Desc	riptio	n <b>Hydr</b> a	aulic Oil f	for Motio	n System			
C3	9	General EN Pressition <sup>-</sup> Supplier	Tubes E	235 / W1			300	Compression II DIN 2353 pipe fittings (connection with a cutting ring)
	72	Zink	Z	'inc-plate	d coating			

### **P-Engineering:**



Sew	age, Bla	ack	N/A		
PN: N	N/A Operation	n Data [P] 0 [T]	20		
escripti	on Sewage	Toilet etc.			
A12	DUKER Cast Iron Se N/A	wage Pipe; SML Coating Not relevant	N/A	Clamp Clamp with Gasket with Bolting	
15	SML	SML Coating			
A13	DUKER Cast Iron Se N/A	wage Pipe; MLK Coating Not relevant	N/A	Clamp Clamp with Gasket with Bolting	
16	SML	SML Coating			
A14	N/A	wage Pipe; TML Coating Not relevant	N/A	Clamp Clamp with Gasket with Bolting	
17	SML	SML Coating			
P41	N/A	t PP Sewage Piping Not relevant	N/A	Sleeve M/F Male - Female Sleeve Connection	
49	N/A	N/A			
<b>502</b>	General EN-S Stainless Ste PED N/A	Series el 1.4307 Welded PN10, Loc Complience N/A	PN10 ose flange	Welded w. Inert Gas Welded acc. WPS EN13480	
503	General EN-S Stainless Ste		PN16	Welded w. Inert Gas Welded acc. WPS EN13480	
<b>S12</b>	General EN-S Stainless Ste PED	Series el 1.4404 Welded PN10, Loc Complience	PN10 ose flange	Welded w. Inert Gas Welded acc. WPS EN13480	
27	N/A	N/A	DNI	W. I. I. T	
<b>S13</b>	General EN-S Stainless Ste PED	Series el 1.4404 Welded PN16 Complience	PN16	Welded w. Inert Gas Welded acc. WPS EN13480	
28	N/A	N/A			

### **P-Engineering:**



<b>S41</b>	Blucher		N/A	Sleeve M/F		
0.1	Sewage Pipir	ng 1.4307		Male - Female Sleeve		
	PED	Complience		Connection	EN13480	
31	N/A	N/A				
<b>S42</b>	Blucher		N/A	Sleeve M/F		
512	Sewage Piping 1.4404			Male - Female S	Sleeve	
	PED	Complience		Connection	EN13480	
		·				
32	N/A	N/A				



Sew	age, Fa	tty	N/A	
PN: N	I/A Operatio	n Data [P] <b>0</b> [T]	50	
escriptio	on Sewage	e from Kitchen		
A13	DUKER Cast Iron Se N/A	ewage Pipe; MLK Coating Not relevant	N/A	Clamp Clamp with Gasket with Bolting
16	SML	SML Coating		
A14	DUKER Cast Iron Se N/A	ewage Pipe; TML Coating Not relevant	N/A	Clamp Clamp with Gasket with Bolting
17	SML	SML Coating		
<b>S02</b>	General EN- Stainless Ste PED		PN10 ose flange	Welded w. Inert Gas Welded acc. WPS EN13480
24	N/A	N/A		
<b>503</b>	General EN- Stainless Sta PED N/A	eel 1.4307 Welded PN16 Complience	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
<b>S12</b>	General EN-	Series eel 1.4404 Welded PN10, Loc Complience	PN10	Welded w. Inert Gas Welded acc. WPS EN13480
<b>513</b>	General EN-	•	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
<b>S41</b>	Blucher Sewage Pipi PED	ng 1.4307 Complience	N/A	Sleeve M/F Male - Female Sleeve Connection EN13480
31	N/A	N/A		
<b>S42</b>	Blucher Sewage Pipi PED N/A	ng 1.4404 Complience N/A	N/A	Sleeve M/F Male - Female Sleeve Connection EN13480

### **P-Engineering:**



Sew	age, Gray	N/A		
N: N	I/A Operation Da	ta [P] <b>0</b> [T]	20	
escriptio	on Sewage ger	neral		
A12	DUKER Cast Iron Sewag N/A	je Pipe; SML Coating Not relevant	N/A	Clamp Clamp with Gasket with Bolting
15	SML	SML Coating		
A13	DUKER	ge Pipe; MLK Coating Not relevant	N/A	Clamp Clamp with Gasket with Bolting
16	SML	SML Coating		
A14	DUKER Cast Iron Sewag N/A	e Pipe; TML Coating Not relevant	N/A	Clamp Clamp with Gasket with Bolting
17	SML	SML Coating		
P41	Geberit Geberit Silent PF N/A	Not relevant	N/A	Sleeve M/F Male - Female Sleeve Connection
49	N/A	N/A	DNI10	Walded To ork Co.
<b>502</b>	General EN-Serion Stainless Steel 1 PED N/A	es .4307 Welded PN10, Lo Complience N/A	PN10 ose flange	Welded w. Inert Gas Welded acc. WPS EN13480
503	General EN-Serion Stainless Steel 1 PED	es .4307 Welded PN16 Complience	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
25	N/A General EN-Serie	N/A	PN10	Welded w. Inert Gas
<b>512</b>		.4404 Welded PN10, Lo Complience N/A		Welded w. Thert das Welded acc. WPS EN13480
27	General EN-Serie		PN16	Welded w. Inert Gas
513		.4404 Welded PN16 Complience	LIVIO	Welded w. Thert das Welded acc. WPS EN13480
28	N/A	N/A		

### **P-Engineering:**



<b>S41</b>	Blucher		N/A	Sleeve M/F	
	Sewage Piping	1.4307		Male - Female S	leeve
	PED	Complience		Connection	EN13480
	N1/A	B1/A			
31	N/A	N/A			_
<b>S41</b>	Blucher		N/A	Sleeve M/F	
<b>-</b>	Sewage Piping	1.4307		Male - Female S	leeve
	PED	Complience		Connection	EN13480
31	N/A	N/A			
<b>S42</b>	Blucher		N/A	Sleeve M/F	
<b>0</b> . <b>-</b>	Sewage Piping	1.4404		Male - Female S	leeve
	PED	Complience		Connection	EN13480
		•			
32	N/A	N/A			
<b>S42</b>	Blucher		N/A	Sleeve M/F	
•	Sewage Piping	1.4404		Male - Female S	leeve
	PED	Complience		Connection	EN13480
		•			
32	N/A	N/A			

### **P-Engineering:**



Sew	age, O	ily		N/A
PN: N	I/A Operation	on Data [P] 0 [T]	20	
Descriptio	on Sewag	ge Parking etc.		
A14	DUKER Cast Iron S N/A	ewage Pipe; TML Coating Not relevant	N/A	Clamp Clamp with Gasket with Bolting
17	SML	SML Coating		
P41	Geberit Geberit Sile N/A	nt PP Sewage Piping Not relevant	N/A	Sleeve M/F Male - Female Sleeve Connection
49	N/A	N/A		
502	General EN- Stainless St PED	-Series eel 1.4307 Welded PN10, Lo Complience	PN10 ose flange	Welded w. Inert Gas Welded acc. WPS EN13480
24	N/A	N/A		
<b>503</b>	General EN- Stainless St PED N/A	-Series eel 1.4307 Welded PN16 Complience N/A	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
<b>S12</b>	General EN		PN10 ose flange	Welded w. Inert Gas Welded acc. WPS EN13480
513 28	General EN	,	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
<b>541</b>	Blucher Sewage Pip PED		N/A	Sleeve M/F Male - Female Sleeve Connection EN13480
31	N/A	N/A		
<b>S42</b>	Blucher Sewage Pip PED	Complience	N/A	Sleeve M/F Male - Female Sleeve Connection EN13480
32	N/A	N/A		

### **P-Engineering:**



Sew	age; Ra	ain Water		N/A
N: N	I/A Operation	on Data [P] <b>0</b> [T]	0	
escriptio	on Rain W	/ater, Gravity		
P41	Geberit Geberit Sile N/A	nt PP Sewage Piping Not relevant	N/A	Sleeve M/F Male - Female Sleeve Connection
49	N/A	N/A		
<b>502</b>	General EN- Stainless Sta PED N/A	Series eel 1.4307 Welded PN10, Lo Complience N/A	PN10 pose flange	Welded w. Inert Gas Welded acc. WPS EN13480
502	General EN-		PN10 pose flange	Welded w. Inert Gas Welded acc. WPS EN13480
24	N/A	N/A		
25	General EN- Stainless Stainless Stai	Series eel 1.4307 Welded PN16 Complience N/A	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
512	General EN-	-	PN10	Welded w. Inert Gas
27	Stainless Sta PED N/A	eel 1.4404 Welded PN10, Lo Complience N/A	ose flange	Welded acc. WPS EN13480
<b>513</b>	General EN-	Series eel 1.4404 Welded PN16 Complience	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
28	N/A	N/A	D1/A	CI M/E
542	Blucher Sewage Pip PED	ing 1.4404 Complience	N/A	Sleeve M/F Male - Female Sleeve Connection EN13480
32	N/A	N/A		
42	Blucher Sewage Pip PED	ing 1.4404 Complience	N/A	Sleeve M/F Male - Female Sleeve Connection EN13480
	N/A	N/A		

### **P-Engineering:**



# **P-Engineering Pipe Specification Overview**

ew	age; R	ain Water		r	N/A
l: N	N/A Operati	on Data [P] <b>0</b> [T]	0		
scripti	on Rain \	Water, Siphon system			
02	General EN	l-Series	PN10	Welded w. Inert (	Gas
	Stainless S	teel 1.4307 Welded PN10,	Loose flange	Welded acc. WPS	
	PED	Complience			EN13480
24	N/A	N/A			
<b>502</b>	General EN		PN10	Welded w. Inert (	
		teel 1.4307 Welded PN10,	Loose flange	Welded acc. WPS	
	PED	Complience			EN13480
24	N/A	N/A	DNIAC	Walded To set (	
503	General EN	teel 1.4307 Welded PN16	PN16	Welded w. Inert ( Welded acc. WPS	
	PED PED	Complience		Welded acc. WP3	EN13480
25	N/A	N/A			LIVIDAGO
512	General EN	-	PN10	Welded w. Inert (	Gas
)12		teel 1.4404 Welded PN10,		Welded acc. WPS	
	PED	Complience			EN13480
27	N/A	N/A			
513	General EN	l-Series	PN16	Welded w. Inert (	Gas
	Stainless St	teel 1.4404 Welded PN16		Welded acc. WPS	
	PED	Complience			EN13480
28	N/A	N/A			
541	Blucher		N/A	Sleeve M/F	
		oing 1.4307		Male - Female Sle	
	PED	Complience		Connection	EN13480
31	N/A	N/A			
_	Blucher	IV/A	N/A	Sleeve M/F	
541		ping 1.4307	N/A	Male - Female Sle	eve
	PED	Complience		Connection	EN13480
		p			
31	N/A	N/A			

### **P-Engineering:**



PN: PN10 Operation Data [P] 8 [T] 50  Description Water Slurry with partickles  C52 General EN-Series with rubber Lining Black Steel Piping Welded acc. WPS  PED Complience EN1348  Lined Rubber Lining PN16 Welded  Black Steel Piping Welded acc. WPS  PED Complience EN1348  FED Complience EN1348  FED Complience EN1348  FED Complience EN1348  FED General Rubber Lining PN16 Glue  PO3 General PN16 Glue
General EN-Series with rubber Lining Black Steel Piping PED Complience EN1348  56 Lined Rubber Lining  General EN-Series with rubber Lining Black Steel Piping PED Complience EN1348  The state of the s
Black Steel Piping PED Complience EN1348  56 Lined Rubber Lining  C53 General EN-Series with rubber Lining Black Steel Piping PED Complience EN1348  57 Lined Rubber Lining  PO3 General  PN16 Glue
General EN-Series with rubber Lining PN16 Welded Black Steel Piping Welded acc. WPS PED Complience EN1348  57 Lined Rubber Lining PN16 Glue
P03 General PN16 Glue
GRP Piping Male/Female Socket with G Declaration Supplier Component Declaration  48 N/A N/A

### **P-Engineering:**



Slur	ry II						PN16
PN: F	N16 Opera	tion Data	[P]	8 [T]	50		
Descripti	on Wat	er Slurry w	ith Particl	cles			
C53	Black Stee PED	Co	omplience	9	PN16	Welded Welded acc. W	PS EN13480
57	Lined	Rı	ubber Lin	ing			

### **P-Engineering:**



Spri	nkler				PN10
PN: P	N10 Operation D	ata [P]	8 [T]	25	
Descriptio	on General Sp	rinkler Installat	ion		
<b>C02</b>	General EN-Seri Black Steel Wel PED Black Steel 1			PN10	Welded Welded acc. WPS EN13480
<b>C03</b>	General EN-Seri Black Steel Wel PED Black Steel 1	ded PN16 Complience		PN16	Welded Welded acc. WPS EN13480
C22	Vitaulic Black Steel Pipi Declaration		nponent [	PN10 Declaration	Clamp Clamp with Gasket with Bolting
45	Black Steel 2	No action			
C33	+GF+ Fitted Pipping B Declaration	lack Steel Supplier Cor	mponent [	PN16 Declaration	Fitted With "Garn & Salve"
36	Black Steel 2	No action			
C43	+GF+ Fitted Pipping B Declaration		nnonont [	PN16	Fitted With "Garn & Salve"
38	Galvanized	Supplier Cor Hot Dip Galv	•	JECIAI ALIUI I	

### **P-Engineering:**

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Sprii	nkier				PN16
PN: P	N16 Operation	Data [P]	14 [T]	25	
Description	on General S	Sprinkler Inst	allation		
<b>C03</b>	General EN-Se Black Steel We PED Black Steel 1			PN16	Welded Welded acc. WPS EN13480
C23	Vitaulic Black Steel Pip Declaration	_	Componen	PN16 t Declaration	Clamp Clamp with Gasket with Bolting
46	Black Steel 2	No actio	n	DNIAC	
C33	+GF+ Fitted Pipping		6	PN16	Fitted With "Garn & Salve"
36	Declaration Black Steel 2	Supplier No action	•	t Declaration	
C43	+GF+ Fitted Pipping Declaration	Black Steel		PN16 t Declaration	Fitted With "Garn & Salve"
38	Galvanized		Galvanized		

### **P-Engineering:**

Sprinklor

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**DN16** 



Sprir	nkler	PN25
PN: PN	J25 Operation Data [P] 23 [T] 25	5
escription	General Sprinkler Installation	
<b>C04</b>	General EN-Series  Black Steel Welded PN25  PED Complience  Black Steel 1 Sandblastet	PN25 Welded Welded acc. WPS EN13480
C24		PN25 Clamp Clamp with Gasket with ration Bolting
47	Black Steel 2 No action	

### **P-Engineering:**



10 Operation Da	nta [P]	c [T]			
Dharma Sto		6 [T]	165		
Filalilla Ste	eam System				
Alfa Laval Pharma Piping - PED Pharma	Complience		PN16 I (Diary Pipe	Welded w. Inert Welded acc. WP	
PED	EN 10217 Ser Complience	ries 1.4404	PN16	Welded w. Inert Welded acc. WP	
	PED Pharma Alfa Laval Pharma Piping -	PED Complience Pharma Ra < 0,8 my Alfa Laval Pharma Piping - EN 10217 Ser PED Complience	PED Complience Pharma Ra < 0,8 my  Alfa Laval Pharma Piping - EN 10217 Series 1.4404 PED Complience	Pharma Ra < 0,8 my  Alfa Laval PN16  Pharma Piping - EN 10217 Series 1.4404  PED Complience	PED Complience Pharma Ra < 0,8 my  Alfa Laval PN16 Welded w. Inert Pharma Piping - EN 10217 Series 1.4404 Welded acc. WF PED Complience

### **P-Engineering:**



Steam Clean	PN16
PN: PN16 Operation Data [P] 10 [T] 184	
Description Pharma Steam System	
Alfa Laval Pharma Piping - EN 10357 Series 1.4404 (Diary Pipe PED Complience Pharma Ra < 0,8 my	Welded w. Inert Gas Welded acc. WPS EN13480
Alfa Laval Pharma Piping - EN 10217 Series 1.4404 PED Complience	Welded w. Inert Gas Welded acc. WPS EN13480
34 Pharma Ra < 0,8 my	

### **P-Engineering:**



N/A

## **P-Engineering Pipe Specification Overview**

Steam Condensate I

		onuen	Sate					N/A
PN:	N/A Op	eration Data	[P]	1	[T]	100		
Descripti	ion F	ressureless (	Condensate	fron	n Stea	m		
<b>S02</b>	Genera	al EN-Series				F	PN10	Welded w. Inert Gas
		ss Steel 1.4	307 Welde	d PN	l10, L	oose fl	ange	Welded acc. WPS
	PED	(	Complience	9				EN1348
24	N/A	<u> </u>	N/A					
<b>S03</b>	Genera	al EN-Series				F	PN16	Welded w. Inert Gas
	Stainle	ss Steel 1.4	307 Welde	d PN	116			Welded acc. WPS
	PED	(	Complience					EN1348
25	N/A	1	N/A					
<b>S12</b>	Genera	al EN-Series				F	PN10	Welded w. Inert Gas
	Stainle	ss Steel 1.4	404 Welde	d PN	l10, L	oose fl	ange	Welded acc. WPS
	PED	(	Complience	9				EN1348
27	N/A	<u> </u>	N/A					
<b>S13</b>	Genera	al EN-Series				F	PN16	Welded w. Inert Gas
	Stainle	ss Steel 1.4	404 Welde	d PN	116			Welded acc. WPS
	PED		Complience	<u>;</u>				EN1348
28	N/A	<u> </u>	N/A					
<b>S43</b>	Generi	С				F	PN16	Fitted
		Piping Stain	less Steel	1.440	)4			With "Garn & Salve"
	Declar	ation S	Supplier Co	mpo	nent	Declara	ition	
41	N/A	N	N/A					

### **P-Engineering:**



#### Steam Condensate II **PN10** PN: 100 PN10 Operation Data [P] 8 [T] Pressurized Condensate from Steam Description General EN-Series Welded PN10 **CO2** Black Steel Welded PN10 Welded acc. WPS PED Complience EN13480 Black Steel 1 Sandblastet General EN-Series PN16 Welded **CO3** Black Steel Welded PN16 Welded acc. WPS PED Complience EN13480 Black Steel 1 Sandblastet +GF+ PN16 Fitted **C33** With "Garn & Salve" Fitted Pipping Black Steel Declaration Supplier Component Declaration Black Steel 2 No action 36 General EN-Series PN10 Welded w. Inert Gas **S02** Stainless Steel 1.4307 Welded PN10, Loose flange Welded acc. WPS PED Complience EN13480 N/A N/A 24 General EN-Series PN16 Welded w. Inert Gas **S03** Stainless Steel 1.4307 Welded PN16 Welded acc. WPS PED Complience EN13480 N/A N/A 25 General EN-Series PN10 Welded w. Inert Gas **S12** Stainless Steel 1.4404 Welded PN10, Loose flange Welded acc. WPS PED Complience EN13480 N/A N/A Welded w. Inert Gas General EN-Series PN16 **S13** Stainless Steel 1.4404 Welded PN16 Welded acc. WPS **PED** Complience EN13480 N/A N/A Generic PN16 Fitted **S43** Fitted Piping Stainless Steel 1.4404 With "Garn & Salve" Supplier Component Declaration Declaration N/A N/A 41

### **P-Engineering:**



#### Steam Condensate III **PN16** PN: 100 PN16 **Operation Data** [P] 12 [T] Description Pressurized Condensate from Steam General EN-Series Welded PN16 C03Black Steel Welded PN16 Welded acc. WPS PED Complience EN13480 Black Steel 1 Sandblastet +GF+ PN16 Fitted **C33** Fitted Pipping Black Steel With "Garn & Salve" Declaration Supplier Component Declaration Black Steel 2 No action 36 General EN-Series PN16 Welded w. Inert Gas **S03** Welded acc. WPS Stainless Steel 1.4307 Welded PN16 PED Complience EN13480 N/A N/A 25 General EN-Series PN16 Welded w. Inert Gas **S13** Stainless Steel 1.4404 Welded PN16 Welded acc. WPS PED Complience EN13480 N/A N/A Generic PN16 Fitted **S43** Fitted Piping Stainless Steel 1.4404 With "Garn & Salve" Declaration Supplier Component Declaration N/A N/A 41 Generic PN25 Fitted **S44** Fitted Piping Stainless Steel 1.4404 With "Garn & Salve" Declaration Supplier Component Declaration 43 N/A N/A

#### **P-Engineering:**



Stea	m Raw				P	N10
PN: P	N10 Operation D	ata [P]	6 [T]	165		
Descriptio	n Industrial	Steam System				
C02	General EN-Ser Black Steel We PED Black Steel 1			PN10	Welded Welded acc. WPS	EN13480
C03	General EN-Ser Black Steel We PED Black Steel 1	ries		PN16	Welded Welded acc. WPS	EN13480
<b>C33</b>	+GF+ Fitted Pipping I Declaration Black Steel 2	Black Steel Supplier Com No action	ponent [	PN16 Declaration	Fitted With "Garn & Salv	⁄e"

### **P-Engineering:**



Stea	m Raw		PN16
PN: PI	N16 Operation D	ata [P] 10 [T] 184	
Descriptio	n Industrial S	Steam System	
<b>C03</b>	General EN-Seri Black Steel Wel PED Black Steel 1		Welded Welded acc. WPS EN13480
C33	+GF+ Fitted Pipping B Declaration	PN16	Fitted With "Garn & Salve"

### **P-Engineering:**



Ste	am Raw			PN25
PN:	PN25 Operation D	ata [P] <b>18</b> [T	] 210	
Descrip	tion Industrial	Steam System		
C04	General EN-Ser Black Steel Wel		PN25	Welded Welded acc. WPS
	PED	Complience		EN13480
5	Black Steel 1	Sandblastet		
C34	Generic		PN25	Fitted
	Fitted Pipping E	Black Steel		With "Garn & Salve"
	Declaration	Supplier Componer	nt Declaration	
37	Black Steel 2	No action		

### **P-Engineering:**



Ste	eam	Raw						P	N40
V:	PN40	Operation I	Data	[P]	30	[T]	253		
scr	iption	Industrial	Steam	System					
CO	B P	ieneral EN-Se lack Steel We ED lack Steel 1	lded Pl Com	N40 iplience dblastet			PN40	Welded Welded acc. WPS	EN13480
	) D	iack Steel 1	Sain	ubiastet	-				

### **P-Engineering:**



St	ea	m	Raw				F	PN64
V:	PI	V64	Operation D	ata [P]	50 [T]	265		
esc	riptio	n	Industrial S	Steam Systen	n			
CO	6	Bla PE		ded PN64 Compliend		PN64	Welded Welded acc. WPS	EN13480
	7	Bla	ack Steel 1	Sandblast	et			

### **P-Engineering:**



Wat	er Osmo	osis	PN10
N: P	N10 Operation	Data [P] 8 [T] 40	
escriptio	on Osmosis	Water	
G02	Generic SDR9 PEX Piping ma Supplier		Compression I Compression connection tighten with tool
51	N/A	N/A	
G21	Generic SDR9 PEX Piping ma Supplier		Compression I Compression connection tighten with tool
53	N/A	N/A	
M82	Uponor MLS Metallic I Supplier	PN10 Pipe PLUS max 70C PED by Supplier Specification	Compression I Compression connection tighten with tool
65	N/A	N/A	
M92	Supplier	PN10 PLUS max 70C - Hvid PED by Supplier Specification	Compression I Compression connection tighten with tool
64	N/A	N/A	NA/ - L - L L
R03	PED	el SMO 1.4547 Complience	Welded Welded acc. WPS EN13480
62	N/A Viega	N/A PN16	Pressing
<b>S73</b>	Stainless Stee Supplier		Press with Pressing Tool / Matrix
21	N/A	N/A	
<b>S83</b>	Blucher Mapro Stainless Stee Supplier		Pressing Press with Pressing Tool / Matrix
	N/A	N/A	

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<b>S93</b>	Broen Stainless Steel; Supplier	1.4404 PED by Supplier Spe	PN16 cification	Pressing Press with Pressing Tool / Matrix
23	N/A	N/A		

### **P-Engineering:**



PN: PN10 Operation Data [P] 8 [T] 50  Description Seawater Salinity 3.8%  P03 General PN16 Glue Male/Female Socion Declaration Supplier Component Declaration PN16 Welded Stainless Steel SMO 1.4547 PED Complience 62 N/A N/A N/A  T02 General EN-Series PN10 Welded	
General GRP Piping Declaration Supplier Component Declaration N/A N/A N/A  R03 General EN-Series Stainless Steel SMO 1.4547 PED Complience 62 N/A N/A N/A  R04 PN16 Glue Male/Female Soc Male/	3
GRP Piping Declaration Supplier Component Declaration N/A N/A N/A R03 General EN-Series Stainless Steel SMO 1.4547 PED Complience N/A N/A N/A PN10 Welded Welded acc. WPS PED Complience PN10 General EN-Series PN10 Welded	3
General EN-Series Stainless Steel SMO 1.4547 PED Complience 62 N/A N/A  T02 General EN-Series  PN16 Welded Welded acc. WPS PN10 Welded	
Stainless Steel SMO 1.4547 Welded acc. WPS PED Complience 62 N/A N/A TO2 General EN-Series PN10 Welded	
TO2 General EN-Series PN10 Welded	
Titanium Pending Welded acc. WPS PED Complience 71 N/A N/A	S EN13480
General EN-Series PN16 Welded Titanium Pending Welded acc. WPS PED Complience	S EN13480
70 N/A N/A  Fn2 General EN-Series PN16 Welded	
General EN-Series PN16 Welded Titanium Pending Welded acc. WPS PED Complience	EN13480
70 N/A N/A	

### **P-Engineering:**



Water	Sea			PN16
PN: PN16	Operation Data [P]	12 [T]	50	
Description	Seawater Salinity 3.8%			

### **P-Engineering:**



Water Tap Cold

		D. I. [D] 0 [T]	40		
	N10 Operation		40		
escription		Tap Water			
<b>G02</b>	Generic SDR9		PN10	Compression I	
	PEX Piping ma			Compression connection	on
	Supplier	PED by Supplier Specifi	cation	tighten with tool	
	21/2	N1/A			
51	N/A	N/A	DNOC	Communication T	
<b>G21</b>	Generic SDR9		PN06	Compression I	
	PEX Piping ma		cation	Compression connection	חכ
	Supplier	PED by Supplier Specifi	cation	tighten with tool	
53	N/A	N/A			
<b>J</b> 52	General		PN10	Compression I	
	PEM Rør			Compression connection	
	Supplier	PED by Supplier Specifi	cation	tighten with tool	
66	N/A	N/A			
M82	Uponor		PN10	Compression I	
	MLS Metallic F	Pipe PLUS max 70C	Compression connection	on	
	Supplier PED by Supplier Specification			tighten with tool	
65	N/A	N/A			
<b>M92</b>	Uponor		PN10	Compression I	
	MLS Uni Pipe	PLUS max 70C - Hvid	Compression connection	on	
	Supplier	PED by Supplier Specifi	cation	tighten with tool	
64	N/A	N/A			
R03	General EN-Se	eries	PN16	Welded	
	Stainless Stee			Welded acc. WPS	
	PED	Complience		EN	13480
62	N/A	N/A			
512	General EN-Se	eries	PN10	Welded w. Inert Gas	
	Stainless Stee	l 1.4404 Welded PN10, Loc	se flange	Welded acc. WPS	
	PED	Complience		EN	13480
	N/A	N/A			

### **P-Engineering:**

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**PN10** 



<b>S13</b>	General EN-Se	ries	PN16	Welded w. Inert Gas
	Stainless Steel	1.4404 Welded PN16		Welded acc. WPS
	PED	Complience		EN13480
28	N/A	N/A		
<b>S43</b>	Generic		PN16	Fitted
545	Fitted Piping S	tainless Steel 1.4404		With "Garn & Salve"
	Declaration	Supplier Component D	eclaration	
41	N/A	N/A		
<b>S73</b>	Viega	,	PN16	Pressing
373	Stainless Steel	; 1.4404		Press with Pressing Tool /
	Supplier	PED by Supplier Specif	ication	Matrix
21	N/A	N/A		
<b>S83</b>	Blucher Mapres	SS	PN16	Pressing
	Stainless Steel	; 1.4404		Press with Pressing Tool /
	Supplier	PED by Supplier Specif	ication	Matrix
22	N/A	N/A		
<b>S93</b>	Broen		PN16	Pressing
	Stainless Steel	; 1.4404		Press with Pressing Tool /
	Supplier	PED by Supplier Specif	ication	Matrix
		•		
23	N/A	N/A		

### **P-Engineering:**



Wat	er Tap C	old		PN16
N: P	N16 Operation I	Data [P] <b>14</b> [T]	40	
escriptio	on General T	ap Water		
R03	General EN-Se Stainless Steel PED N/A		PN16	Welded Welded acc. WPS EN13480
<b>S13</b>	General EN-Se Stainless Steel PED	ries 1.4404 Welded PN16 Complience	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
5 <b>43</b>	Declaration	N/A Stainless Steel 1.4404 Supplier Component D	PN16 eclaration	Fitted With "Garn & Salve"
573	N/A Viega Stainless Steel Supplier		PN16 ication	Pressing Press with Pressing Tool / Matrix
21	N/A		DNIAC	Danis
583	Blucher Mapre Stainless Steel Supplier		PN16 ication	Pressing Press with Pressing Tool / Matrix
22	N/A	N/A		
<b>S93</b>	Broen Stainless Steel Supplier	; 1.4404 PED by Supplier Specif	PN16 ication	Pressing Press with Pressing Tool / Matrix
		N/A		

### **P-Engineering:**

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25 Operation Da	nta [P] 23	F=-1	
23 Operation Da	ita [F] Z3	[T] 40	
General Ta <sub>l</sub>	p Water		
Declaration	Supplier Compo		Fitted With "Garn & Salve"
1	Generic Fitted Piping Sta	Generic Fitted Piping Stainless Steel 1.44 Declaration Supplier Compo	Generic PN25 Fitted Piping Stainless Steel 1.4404 Declaration Supplier Component Declaration

### **P-Engineering:**



wate	er Tap F	10t	PN10	
PN: PI	N10 Operation	n Data [P] 7 [T]	80	
escriptio	on General	Hot Tap Water		
G21	Generic SDR9 PEX Piping m Supplier		PN06 ication	Compression I Compression connection tighten with tool
53	N/A	N/A		
M82	Supplier	Pipe PLUS max 70C PED by Supplier Specifi	PN10 ication	Compression I Compression connection tighten with tool
65	N/A	N/A		
M92	Uponor MLS Uni Pipe Supplier	PLUS max 70C - Hvid PED by Supplier Specifi	PN10 ication	Compression I Compression connection tighten with tool
64	N/A	N/A		
R03	PED	el SMO 1.4547 Complience	PN16	Welded Welded acc. WPS EN13480
62	N/A	N/A	DN14.0	Will I Tables
S12	General EN-S Stainless Stee PED N/A	eries el 1.4404 Welded PN10, Loc Complience N/A	PN10 ose flange	Welded w. Inert Gas Welded acc. WPS EN13480
27 C12	General EN-S		PN16	Welded w. Inert Gas
S13	Stainless Stee PED	el 1.4404 Welded PN16 Complience	11110	Welded acc. WPS EN13480
28	N/A Generic	N/A	PN16	Fitted
S43	Fitted Piping Declaration	Stainless Steel 1.4404 Supplier Component De		With "Garn & Salve"
41	N/A Vioga	N/A	PN16	Droceina
<b>S73</b>	Viega Stainless Stee Supplier	el; 1.4404 PED by Supplier Specifi		Pressing Press with Pressing Tool / Matrix
21	N/A	N/A		

### **P-Engineering:**

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Water Tan Hot

DN10



<b>S83</b>	Blucher Mapress Stainless Steel; 1	1.4404	PN16	Pressing Press with Pressing Tool /
22	Supplier N/A	PED by Supplier Specificat  N/A	ion	Matrix
<b>S93</b>	Broen Stainless Steel; I Supplier	•	PN16 ion	Pressing Press with Pressing Tool / Matrix
23	N/A	N/A		



	cer Tap I	101		PN16
N:	PN16 Operation	n Data [P] 12 [T] 8	0	
escript	ion Genera	l Hot Tap Water		
R03	PED	el SMO 1.4547 Complience	PN16	Welded Welded acc. WPS EN13480
513 28	N/A General EN-S Stainless Ste PED N/A	N/A Series el 1.4404 Welded PN16 Complience N/A	PN16	Welded w. Inert Gas Welded acc. WPS EN13480
5 <b>43</b>	Generic	Stainless Steel 1.4404 Supplier Component Decla	PN16 ration	Fitted With "Garn & Salve"
<b>S73</b>	Viega Stainless Ste Supplier	el; 1.4404 PED by Supplier Specificat	PN16 ion	Pressing Press with Pressing Tool / Matrix
21	N/A	N/A		
<b>583</b>	Blucher Mapi Stainless Ste Supplier		PN16 ion	Pressing Press with Pressing Tool / Matrix
22	N/A	N/A		
<b>S93</b>	Broen Stainless Ste Supplier	el; 1.4404 PED by Supplier Specificat	PN16	Pressing Press with Pressing Tool / Matrix
	N/A	N/A		

### **P-Engineering:**

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Water Tan Hot

**DN16** 



Wat	er Tap H	PN25	
PN: P	N25 Operation	Data [P] 20 [T] 80	
Description	on General H		
<b>S44</b>	Declaration	PN25 Stainless Steel 1.4404 Supplier Component Declaration	Fitted With "Garn & Salve"
43	N/A	N/A	

### **P-Engineering:**



**Water Technical** 

	er rechr	iicai		PNIU
PN: P	N10 Operation	Data [P] 8 [T]	50	
escriptio	n Technica	l Water General		
G02	Generic SDR9 PEX Piping ma Supplier	ax 70C PED by Supplier Specifi	PN10 cation	Compression I Compression connection tighten with tool
51	N/A	N/A		
G21	Generic SDR9 PEX Piping ma Supplier	ax 95C PED by Supplier Specifi	PN06 cation	Compression I Compression connection tighten with tool
53	N/A	N/A		
M82		Pipe PLUS max 70C PED by Supplier Specifi	PN10 cation	Compression I Compression connection tighten with tool
65	N/A	N/A		
M92	Uponor MLS Uni Pipe I Supplier	PLUS max 70C - Hvid PED by Supplier Specifi	PN10 cation	Compression I Compression connection tighten with tool
64	N/A	N/A		
P03	General GRP Piping Declaration N/A	Supplier Component De	PN16 eclaration	Glue Male/Female Socket with Glue
R03	General EN-Se Stainless Steel PED	eries	PN16	Welded Welded acc. WPS EN13480
573	N/A Viega Stainless Steel		PN16	Pressing Press with Pressing Tool / Matrix
	Supplier	TED by Supplier Specifi		

### **P-Engineering:**

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PN<sub>10</sub>



<b>S83</b>	Blucher Mapress Stainless Steel; 1	1.4404	PN16	Pressing Press with Pressing Tool /
22	Supplier N/A	PED by Supplier Specificat  N/A	ion	Matrix
<b>S93</b>	Broen Stainless Steel; I Supplier	•	PN16 ion	Pressing Press with Pressing Tool / Matrix
23	N/A	N/A		



#### Water w. Bio residue **PN10** PN: 8 [T] PN10 **Operation Data** [P] 50 Description Technical Water with Bio Residue / Bactecia PN10 Welded General EN-Series with rubber Lining **C52** Black Steel Piping Welded acc. WPS **PED** Complience EN13480 Lined Rubber Lining 56 General EN-Series with rubber Lining PN16 Welded **C53** Black Steel Piping Welded acc. WPS PED Complience EN13480 Lined Rubber Lining 57 General PN16 Glue **P03 GRP** Piping Male/Female Socket with Glue Declaration Supplier Component Declaration N/A N/A 48 General EN-Series PN16 Welded **R03** Welded acc. WPS Stainless Steel SMO 1.4547 PED Complience EN13480 N/A 62 N/A

### P-Engineering: