Base Load Power Hub (BLPH)

NITROGEN GENERATION PACKAGE A-64000
PACKAGE PIPING SCHEMATICS AND BILL OF MATERIALS

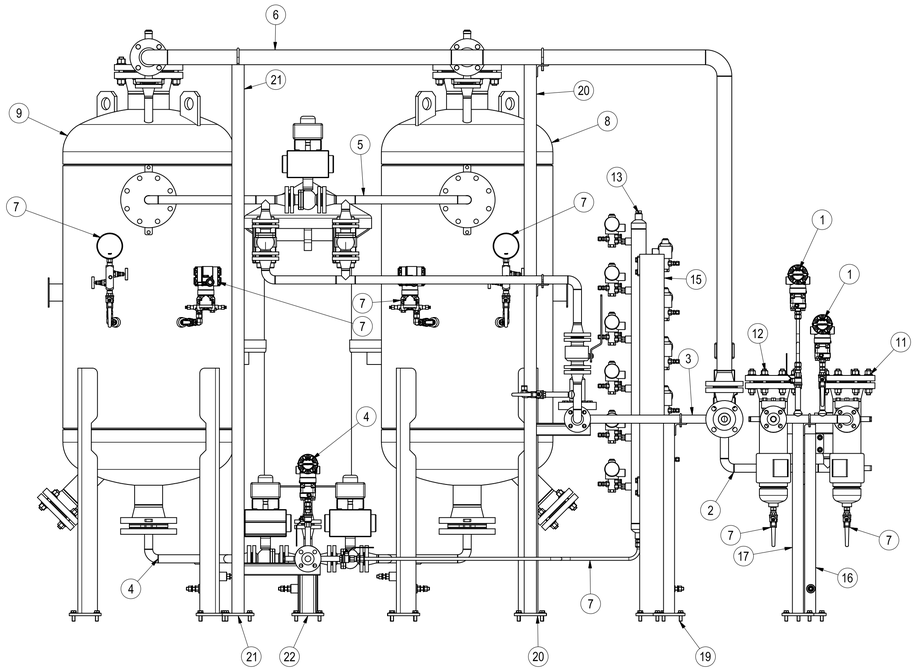
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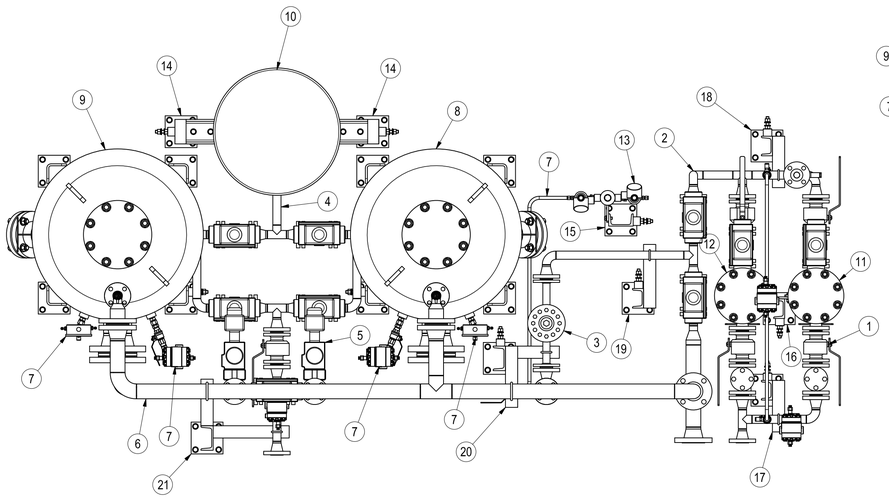
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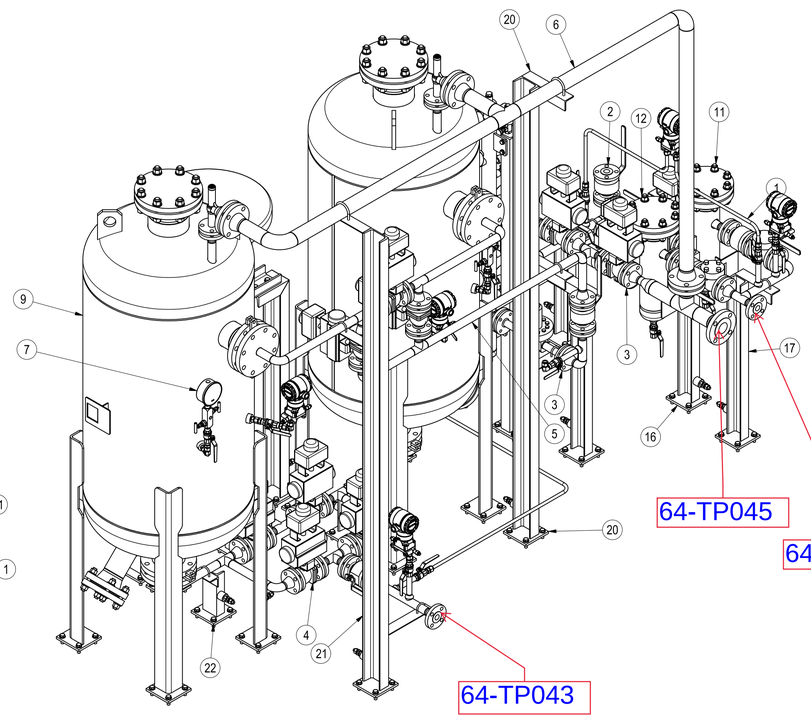
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00	03/09/2024	Issue for Review (IFR)	GT	MC	TM
Rev.	Date	Description	Prepared	Reviewed	Approved

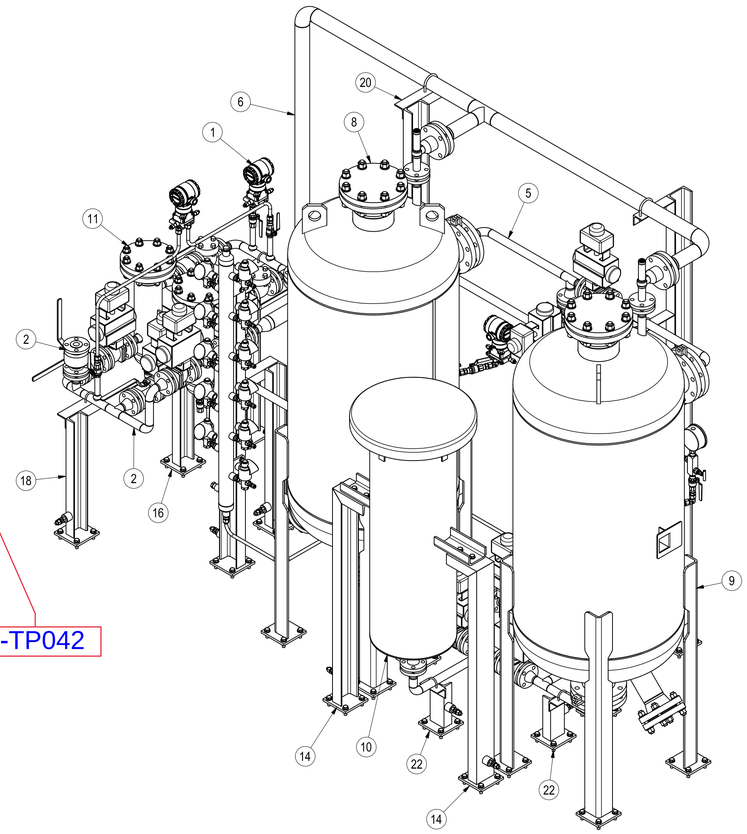
COES

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ELENCO PARTI / BILL OF MATERIAL						
POS	QTY	DESCRIPTION	MATERIAL	WGT (kg)	NOTE	COD. COES
1	1	PIPING 01 - LTCS		26		L4580
2	1	PIPING 02 - LTCS		73.3		L4581
3	1	PIPING 03 - LTCS		52.7		L4582
4	1	PIPING 04 - SS		120		L4583
5	1	PIPING 05 - LTCS		91.5		L4584
6	1	PIPING 06 - LTCS		50.3		L4585
7	1	HOOK UPS		12		L4594
8	1	VESSEL N2 Ø700	SA 516 Gr.70	338.6	CCO54050	L4388
9	1	VESSEL N2 Ø700	SA 516 Gr.70	338.6	CCO54050	L4388
10	1	N2 SILENCER 1" 150# RF		73	CCO54051	L4394
11	1	DUST FILTER IN/OUT 1" 150#	SA 516 Gr.70	36	CCO54049	L4391
12	1	DUST FILTER IN/OUT 1" 150#	SA 516 Gr.70	36	CCO54049	L4391
13	1	ASSIEME COLLETTORE 2" - N° 11 EV 1/4" NPT		21.1	L4593	L4593
14	2	SILENCER SUPPORT		29.5	L4590	L4590
15	1	PALINA SUPPORTO COLLETTORE 2"		17.4	L4595	L4595
16	1	PALINA DI FISSAGGIO FILTRI		8.9	L5183	L5183
17	1	SUPPORTO PIPING 1" H=802		9.4	L5184	L5184
18	1	SUPPORTO PIPING 1" H=602		7.6	L5185	L5185
19	1	SUPPORTO PIPING 1" H=802		9.5	L5186	L5186
20	1	SUPPORTO PIPING 1" H1=802 - 1" H2=1370 - 2" H3=2268.5		28.4	L5187	L5187
21	1	SUPPORTO PIPING 1" H1=232 - 1" H2=1697 - 2" H3=2278.5		28.3	L5188	L5188
22	3	SUPPORTO PIPING 1" H=232		12	L5189	L5189

REV	DATE	DESCRIPTION	PREPARED	APPROVED
1	24/12/2024	REVISION	STC	GT
0	21/08/2024	ISSUE	STC	GT

COMMESSA N° / JOB N° 167/24 | SERIAL N° | FORMATO / SIZE A1 | SCALA / SCALE 1 : 12.5

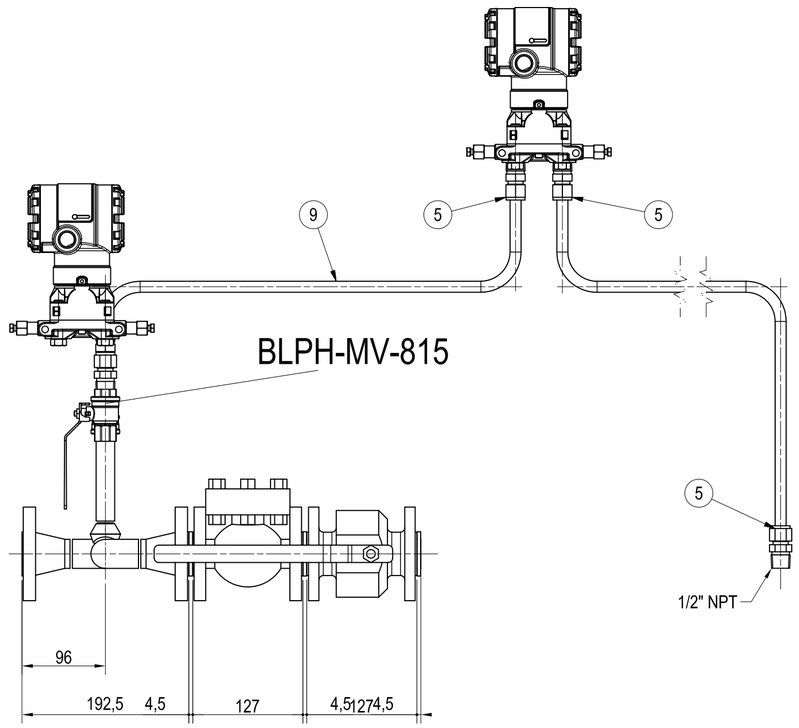
coes

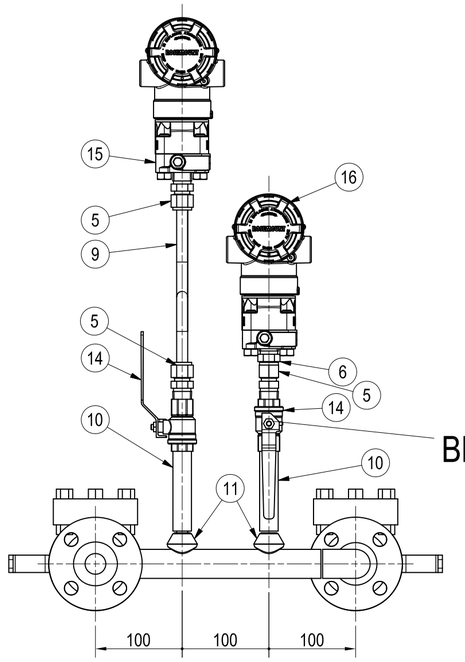
ROSETTI MARINO
N2 SKID - BLPH NETHERLAND
PIPING ASSEMBLY
COES CODE L4579

DISEGNO N° / DRAWING N° CCO54058

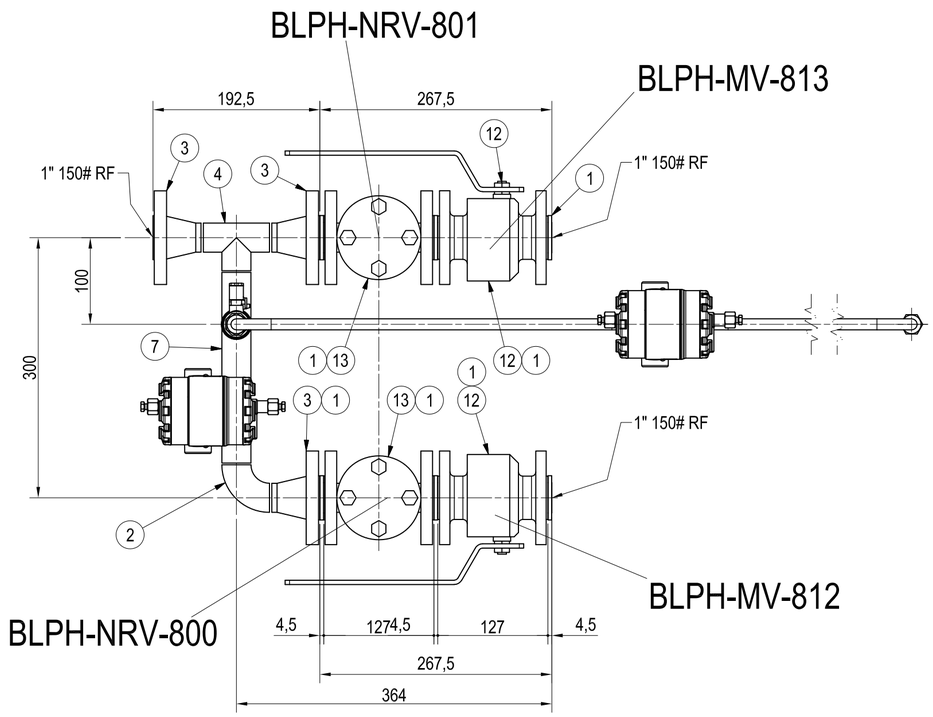
FOGLIO / SHEET 1 | DI / OF 8

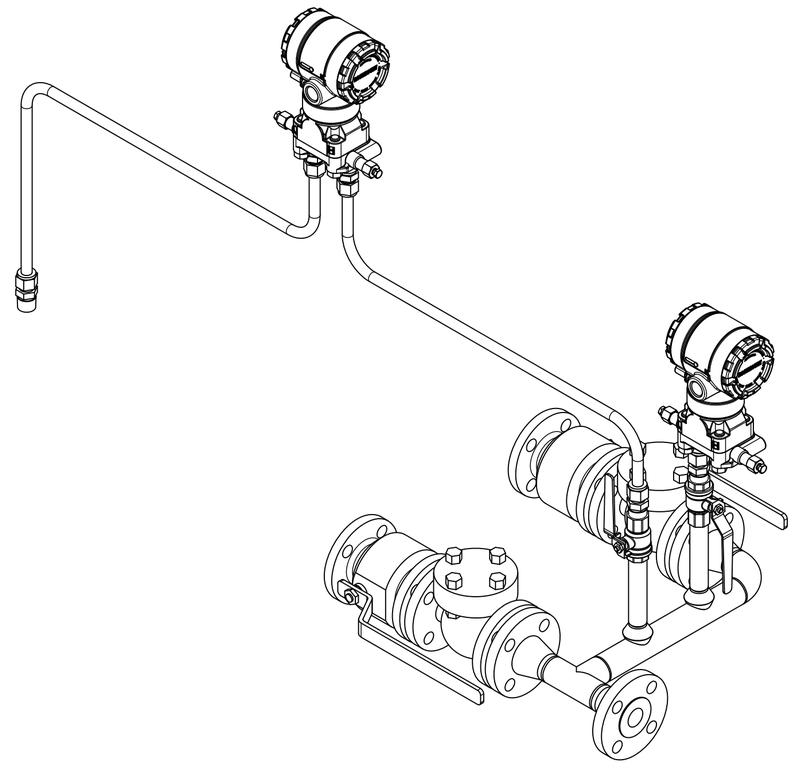
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ELENCO PARTI / BILL OF MATERIAL						
POS	QTY	DESCRIPTION	MATERIAL	WGT	NOTE	COD. COES
1	6	GKT SPIRAL WOUND 1" 150# Thk. 4.5mm	316L+GRAPHITE	0.3 kg		C3052
2	1	ELBOW L.R. 90° 1" Sch. 80	SA 420 WPL6	0.2 kg		D6263
3	3	FLANGE W.N.1" Sch. 80 150# RF	SA 350 Gr. LF2 Cl.1	3.5 kg		D6282
4	1	TEE 1" Sch.80	SA 420 WPL6	0.3 kg		D6278
5	5	MALE CONNECTOR Ø1/2 x 1/2 NPT/M	AISI 316	0.5 kg	P-8-8-DM	G5521
6	1	MALE ADAPTER Ø1/2 x 1/2 NPT/M	AISI 316	0.1 kg	P-8-8-AM	G7465
7	219.800 mm	PIPE SMLSS 1 Sch.80	SA 333 Gr. 6	0.7 kg		D6261
8	855.500 mm	TUBING 1/2" x 1,65	Acciaio	0.4 kg		D1577
9	659.000 mm	TUBING 1/2" x 1,65	Acciaio	0.3 kg		D1577
10	200.000 mm	PIPE SMLSS 1/2 Sch.40	SA 333 Gr. 6	0.3 kg		F8764
11	2	WELDOLET DN 1" x 1/2" Sch.80	SA 350 Gr. LF2 Cl.1	0.1 kg		L5179
12	2	BALL VALVE 1" 150#RF - ART. 68J000 SPLIT BODY FB	SA 352 LCC	9.6 kg		L4626
13	2	PISTON CHECK VALVE BB FB FL 1" LF2/F6 150# RF	SA 350 Gr. LF2 Cl.1	9.3 kg		L4446
14	2	BALL VALVE 1/2"NPTF ATEX	SA 351 CF8M	0.5 kg		L3428
16	1	PRESSURE TRANSMITTER 2051CG4 - INTEGRATED MANIFOLD		0.5 kg		L4361
15	1	Differential Pressure Transmitter EMERSON MOD.2051CD3A02A1KS5E1M5D4T1Q4Q8HR7		0.5 kg		L4362

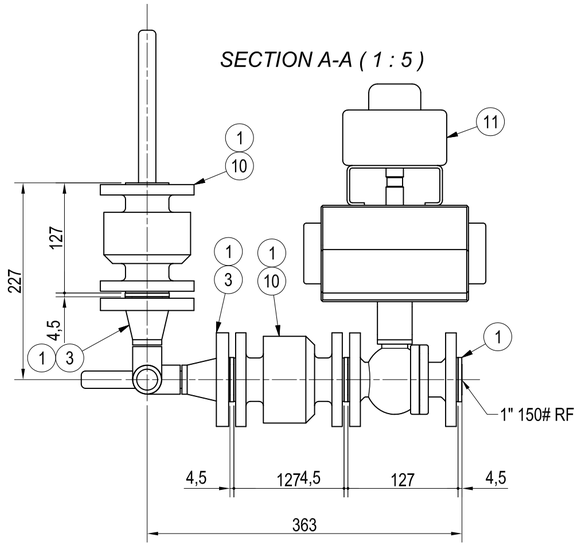


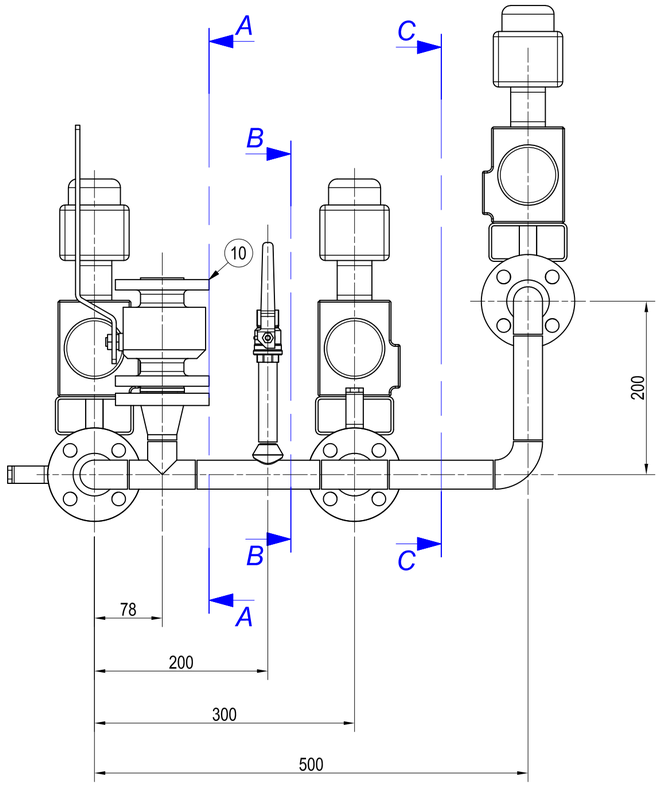


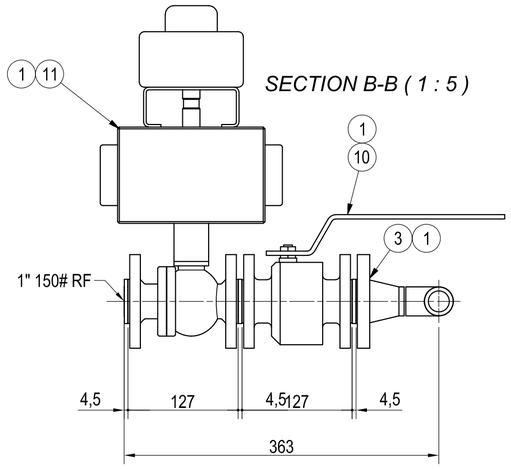
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0	21/08/2024	ISSUE		STC	GT
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COMMESSA N° JOB N°	167/24	SERIAL N°	FORMATO SIZE A2	SCALA SCALE	1 : 5
coes	ROSETTI MARINO N2 SKID - BLPH NETHERLAND - PIPING 01 - COES CODE L4580			DISEGNO N° DRAWING N°	CCO54058
				FOGLIO SHEET 2	DI OF 8

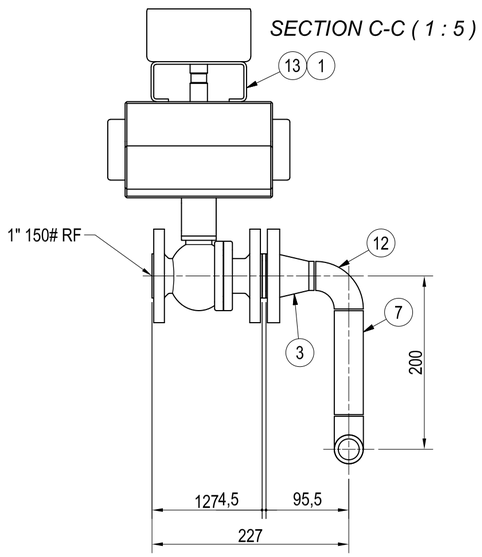
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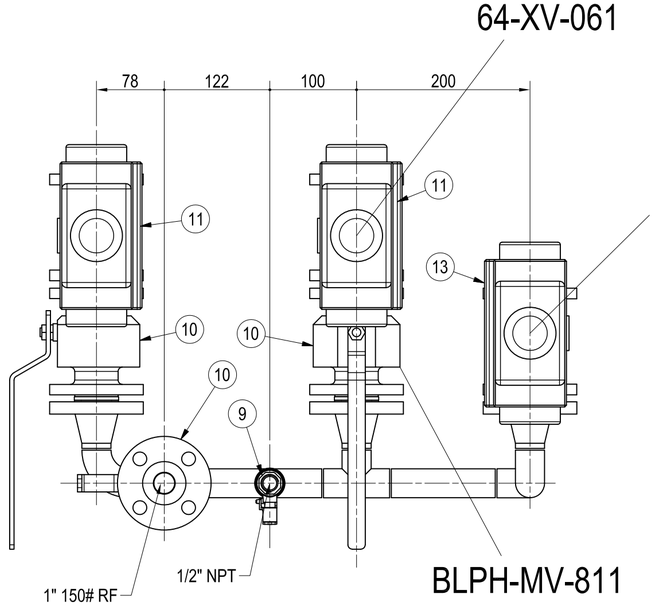
ELENCO PARTI / BILL OF MATERIAL						
POS	QTY	DESCRIPTION	MATERIAL	WGT	NOTE	COD. COES
1	8	GKT SPIRAL WOUND 1" 150# Thk. 4.5mm	316L+GRAPHITE	0.4 kg		C3052
2	100.000 mm	PIPE SMLSS 1/2 Sch.40	SA 333 Gr. 6	0.1 kg		F8764
3	4	FLANGE W.N.1" Sch. 80 150# RF	SA 350 Gr. LF2 Cl.1	4.6 kg		D6282
4	2	TEE 1" Sch.80	SA 420 WPL6	0.6 kg		D6278
5	141.600 mm	PIPE SMLSS 1 Sch.80	SA 333 Gr. 6	0.4 kg		D6261
6	119.800 mm	PIPE SMLSS 1 Sch.80	SA 333 Gr. 6	0.4 kg		D6261
7	119.800 mm	PIPE SMLSS 1 Sch.80	SA 333 Gr. 6	0.4 kg		D6261
8	1	WELDOLET DN 1" x 1/2" Sch.80	SA 350 Gr. LF2 Cl.1	0.1 kg		L5179
9	1	BALL VALVE 1/2"NPTF	AISI 316	0.3 kg		31227
10	3	BALL VALVE 1" 150#RF - ART. 68J000 SPLIT BODY FB	SA 352 LCC	14.4 kg		L4626
11	2	PNEUMATIC BALL VALVE Ø1" 150# RF-68J000-SR75-04-CL	SA 352 LCC	34 kg	FAIL OPEN	L4625
13	1	PNEUMATIC BALL VALVE Ø1" 150# RF-68J000-SR75-04-CL	SA 352 LCC	17 kg	FAIL CLOSE	L4623
12	3	ELBOW L.R. 90° 1" Sch. 80	SA 420 WPL6	0.6 kg		D6263

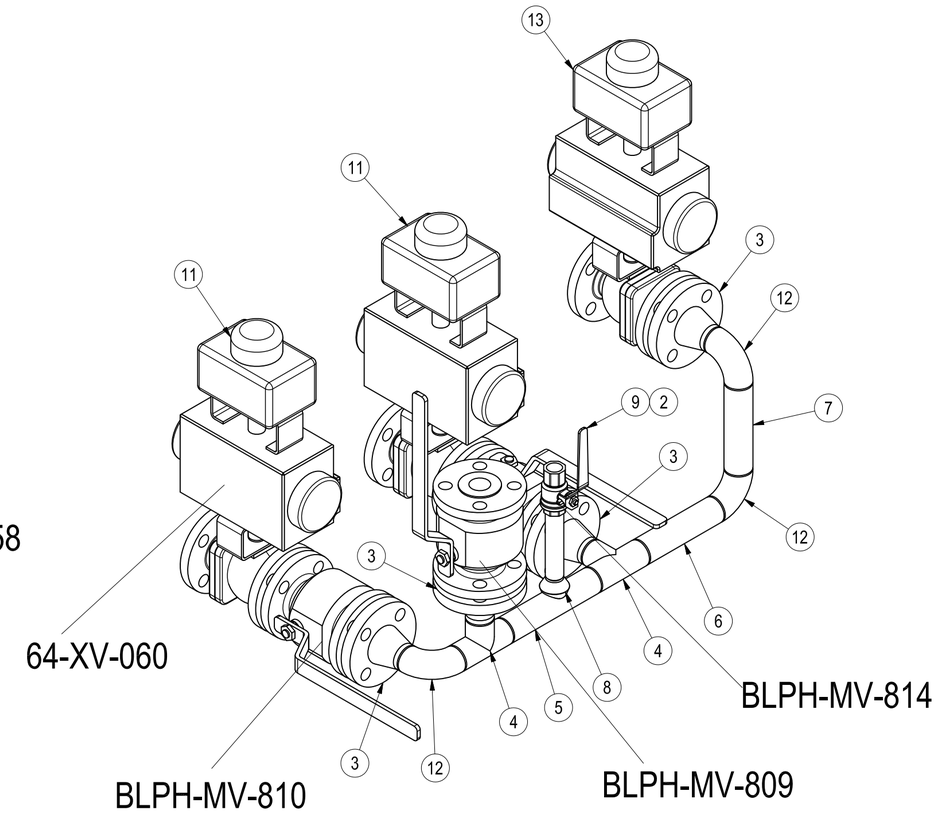








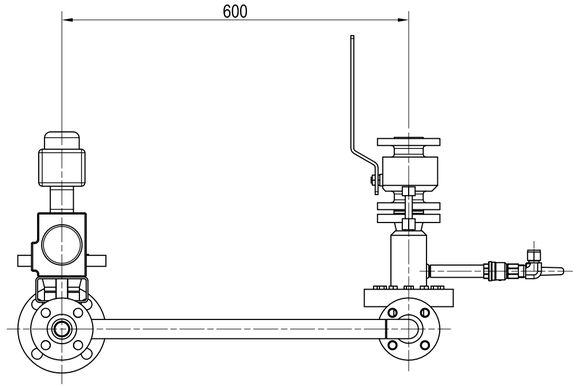


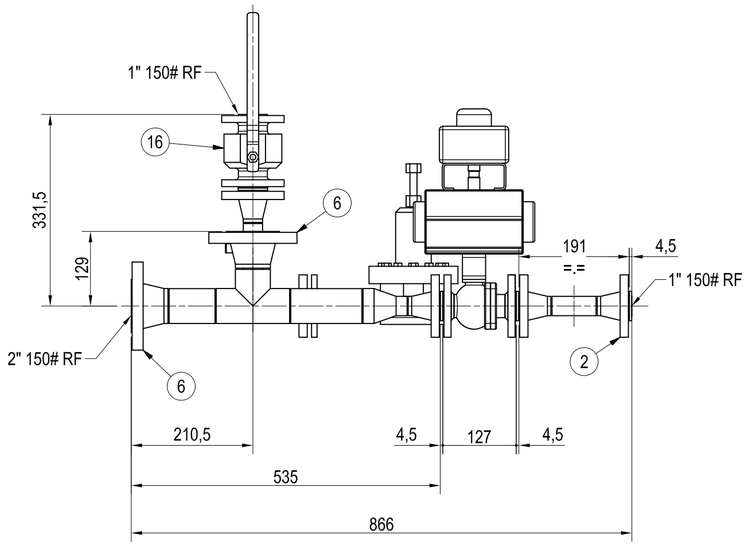


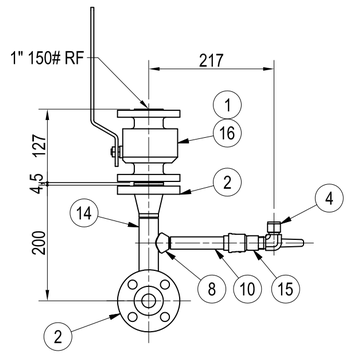
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0	21/08/2024	ISSUE	STC	GT

COMMESSA N° / JOB N°	167/24	SERIAL N°	FORMATO / SIZE A2	SCALA / SCALE	1 : 5
coes	ROSETTI MARINO N2 SKID - BLPH NETHERLAND - PIPING 02 - COES CODE L4581			DISEGNO N° / DRAWING N°	CCO54058
				FOGLIO / SHEET 3	DI / OF 8

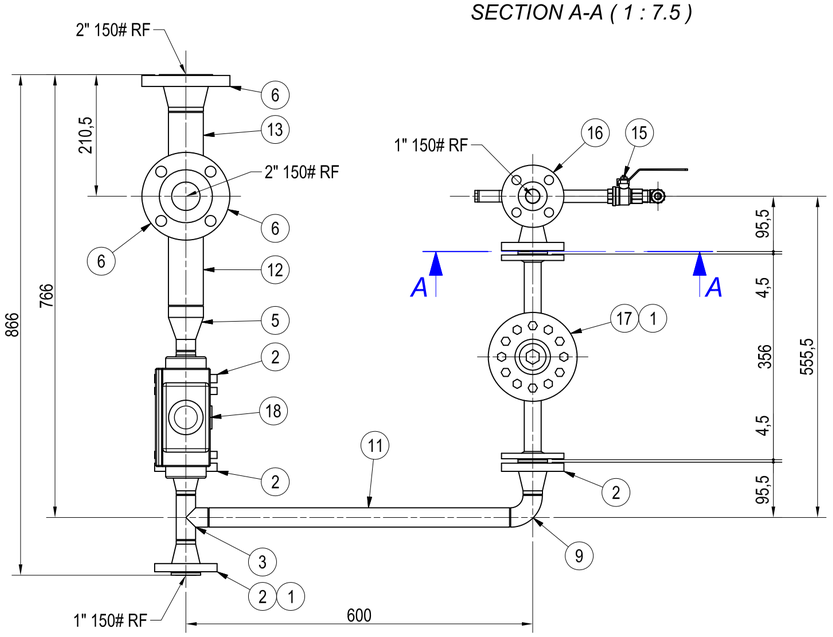
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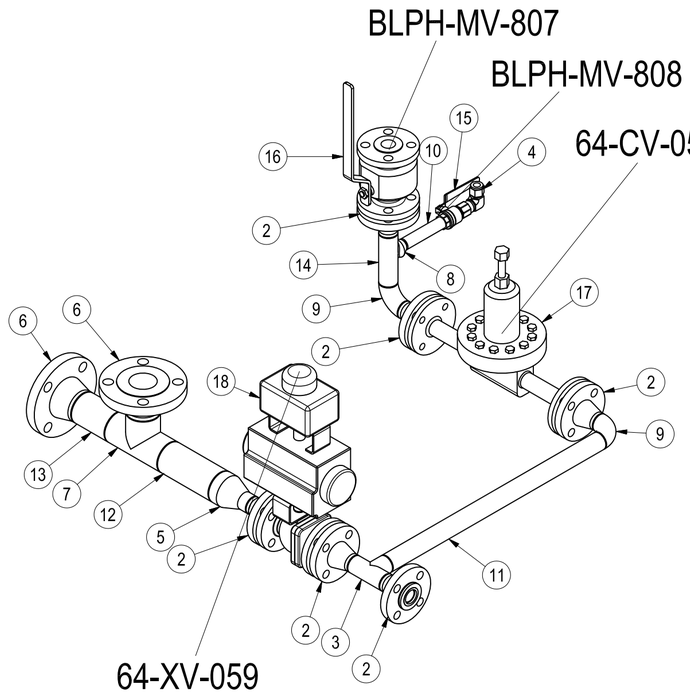




SECTION A-A (1 : 7.5)



ELENCO PARTI / BILL OF MATERIAL						
POS	QTY	DESCRIPTION	MATERIAL	WGT	NOTE	COD. COES
1	6	GKT SPIRAL WOUND 1" 150# Thk. 4.5mm	316L+GRAPHITE	0.3 kg		C3052
2	6	FLANGE W.N.1" Sch. 80 150# RF	SA 350 Gr. LF2 Cl.1	7 kg		D6282
3	1	TEE 1" Sch.80	SA 420 WPL6	0.3 kg		D6278
4	1	ELBOW 90° CONNECTOR Ø1/2 x 1/2 NPT/M	AISI 316	0.1 kg	P-8-8-GM	G7466
5	1	CONC_REDUCTION 2" x 1" Sch.80	SA 420 WPL6	0.4 kg		G5816
6	2	FLANGE W.N.2" Sch. 80 150# RF	SA 350 Gr. LF2 Cl.1	5.8 kg		F0529
7	1	TEE 2" Sch.80	SA 420 WPL6	1.2 kg		C1407
8	1	WELDOLET DN 1" x 1/2" Sch.80	SA 350 Gr. LF2 Cl.1	0.1 kg		L5179
9	2	ELBOW L.R. 90° 1" Sch.80	SA 420 WPL6	0.4 kg		D6263
10	100.000 mm	PIPE SMLSS 1/2 Sch.40	SA 333 Gr. 6	0.1 kg		F8764
11	519.800 mm	PIPE SMLSS 1" Sch.80S	SA 312 TP316L	1.7 kg		C0792
12	123.000 mm	PIPE SMLSS 2 Sch.80	SA 333 Gr. 6	0.9 kg		C1402
13	79.484 mm	PIPE SMLSS 2 Sch.80	SA 333 Gr. 6	0.6 kg		C1402
14	102.528 mm	PIPE SMLSS 1 Sch.80	SA 333 Gr. 6	0.3 kg		D6261
15	1	BALL VALVE 1/2"NPTF ATEX	SA 351 CF8M	0.3 kg		L3428
16	1	BALL VALVE 1" 150#RF - ART. 68J000 SPLIT BODY FB	SA 352 LCC	4.8 kg		L4626
17	1	Back Pressure Regulator MR98H-3048-2347838	SA 216 WCC	11.4 kg		1" 150# RF
18	1	PNEUMATIC BALL VALVE Ø1" 150# RF-68J000-SR75-04-CL	SA 352 LCC	17 kg	FAIL CLOSE	L4623



REV	DATE	DESCRIPTION	PREPARED	APPROVED
1	24/12/2024	REVISION	STC	GT
0	21/08/2024	ISSUE	STC	GT

COMMESSA N° / JOB N°	167/24	SERIAL N°	FORMATO / SIZE	A2	SCALA / SCALE 1 : 7.5

coes

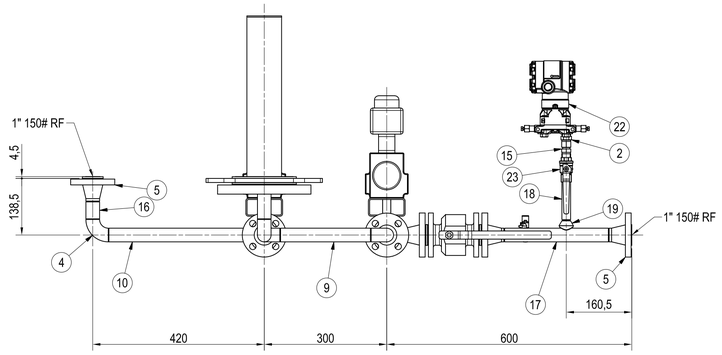
ROSETTI MARINO
N2 SKID - BLPH NETHERLAND
- PIPING 03 -
COES CODE L4582

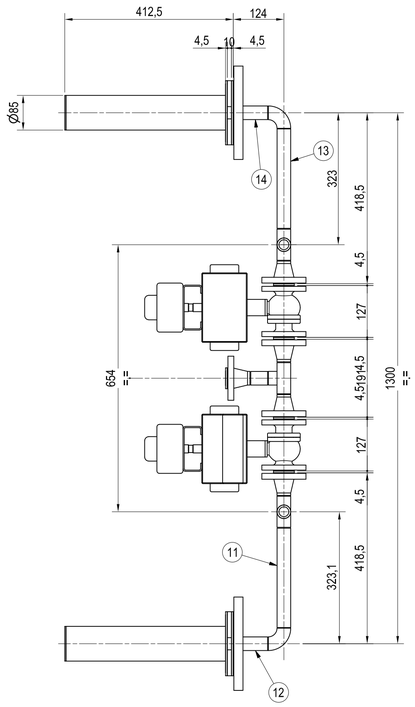
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FOGLIO / SHEET 4 DI / OF 8

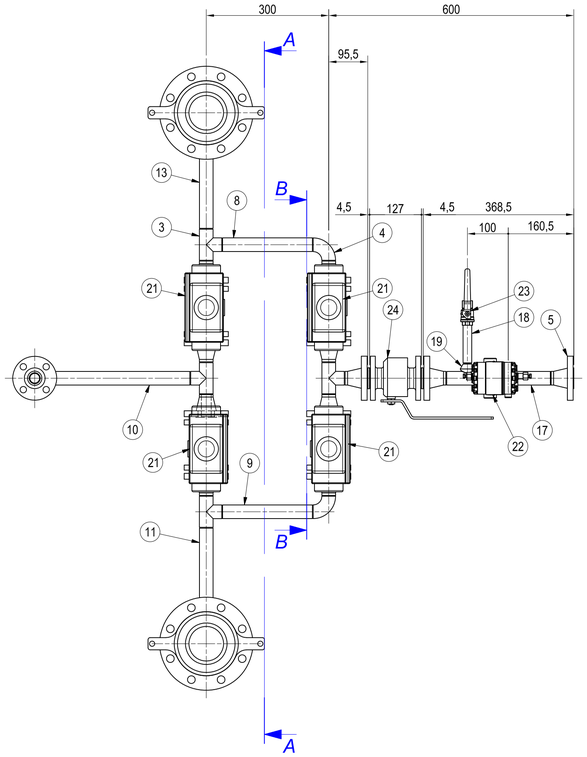
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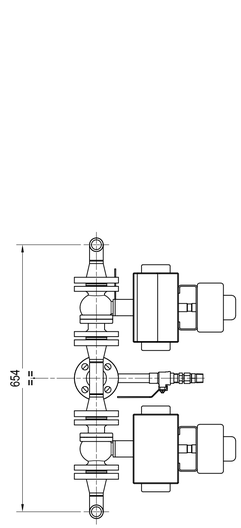
ELENCO PARTI / BILL OF MATERIAL						
POS	QTY	DESCRIPTION	MATERIAL	WGT	NOTE	COD. COES
1	11	GKT SPIRAL WOUND 1" 150# Thk. 4.5mm	316L+GRAPHITE	0.5 kg		C3052
2	1	MALE ADAPTER Ø1/2 x 1/2 NPT/M	AISI 316	0.1 kg	P-8-8-AM	G7465
3	4	TEE 1" Sch.80S	SA 403 WP316/316L	1.3 kg		D0611
4	5	ELBOW L.R. 90° 1" Sch.80S	SA 403 WP316/316L	1 kg		C4372
5	12	FLANGE W.N.1" Sch. 80S 150# RF	SA 182 F316/316L	14.3 kg		C4188
6	4	GKT SPIRAL WOUND 4" 150# Thk. 4.5mm	316L+GRAPHITE	1.6 kg		D0778
7	2	FLANGE BLIND B16.5 4" 150# RF	SA 213 TP316/316L	14.1 kg		C7362
8	219.800 mm	PIPE SMLSS 1" Sch.80S	SA 312 TP316L	0.7 kg		C0792
9	219.800 mm	PIPE SMLSS 1" Sch.80S	SA 312 TP316L	0.7 kg		C0792
10	340.300 mm	PIPE SMLSS 1" Sch.80S	SA 312 TP316L	1.1 kg		C0792
11	243.356 mm	PIPE SMLSS 1" Sch.80S	SA 312 TP316L	0.8 kg		C0792
12	60.524 mm	PIPE SMLSS 1" Sch.80S	SA 312 TP316L	0.2 kg		C0792
13	243.356 mm	PIPE SMLSS 1" Sch.80S	SA 312 TP316L	0.8 kg		C0792
14	60.524 mm	PIPE SMLSS 1" Sch.80S	SA 312 TP316L	0.2 kg		C0792
15	1	MALE CONNECTOR Ø1/2 x 1/2 NPT/M	AISI 316	0.1 kg	P-8-8-DM	G5521
16	41.528 mm	PIPE SMLSS 1" Sch.80S	SA 312 TP316L	0.1 kg		C0792
17	253.784 mm	PIPE SMLSS 1" Sch.40S	SA 312 TP316L	0.6 kg		11603
18	200.000 mm	PIPE SMLSS 1/2" Sch.40S	SA 312 TP316/316L	0.3 kg		C5215
19	2	WELDOLET DN 1" x 1/2" Sch.40S	SA 182 F316/316L	0.2 kg		L5180
20	2	CESTELLO Ø85 L=400 FLG. 4" 150#	S 275 JR	7.9 kg	CCO02242	C2579
21	4	PNEUMATIC BALL VALVE Ø1" 150# RF-68J000-SR75-04-CL	SA 352 LCC	68 kg	FAIL CLOSE	L4624
22	1	PRESSURE TRANSMITTER 2051CG4 - INTEGRATED MANIFOLD	ALUMINUM	0.5 kg		L4361
23	2	BALL VALVE 1/2"NPTF ATEX	SA 351 CF8M	0.5 kg		L3428
24	1	BALL VALVE 1" 150#RF - ART. 68J000 SPLIT BODY FB	SA 351 CF8M	4.8 kg		L4621



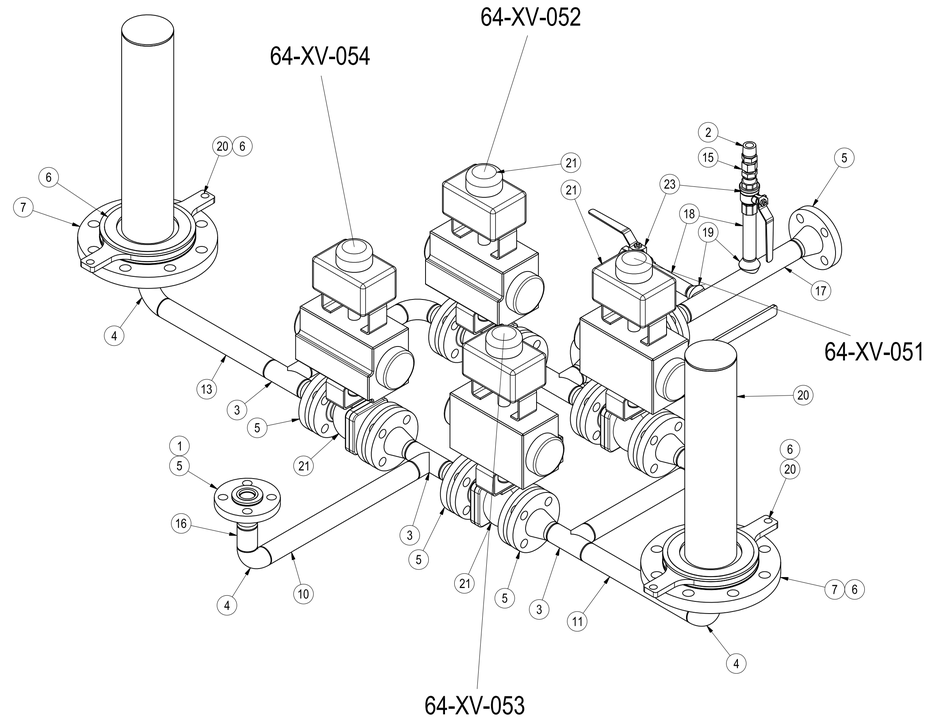


SECTION A-A (1 : 7.5)





SECTION B-B (1 : 7.5)

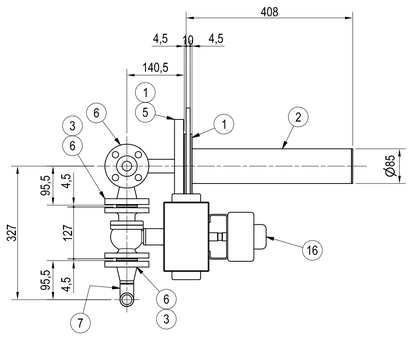


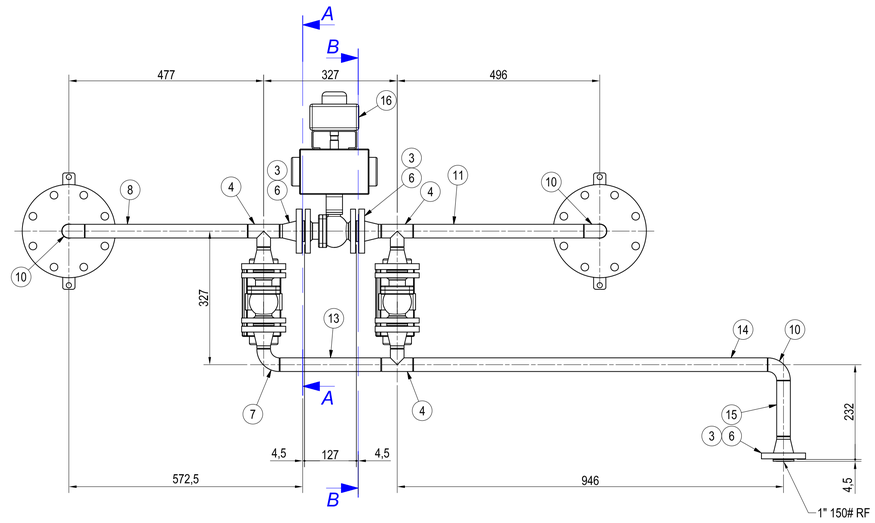
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REV	DATE	DESCRIPTION		PREPARED	APPROVED
COMMESSA N° JOB N°	167/24	SERIAL N°	FORMATO SIZE A1	SCALA SCALE	1 : 7.5
coes	ROSETTI MARINO N2 SKID - BLPH NETHERLAND - PIPING 04 - COES CODE L4583			DISEGNO N° DRAWING N°	CCO54058
				FOGLIO SHEET 5	DI OF 8

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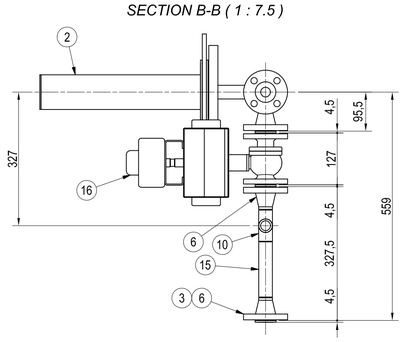
ELENCO PARTI / BILL OF MATERIAL						
POS	QTY	DESCRIPTION	MATERIAL	WGT	NOTE	COD. COES
1	4	GKT SPIRAL WOUND 4" 150# Thk. 4.5mm	316L+GRAPHITE	1.6 kg		D0778
2	2	CESTELLO Ø85 L=400 FLG. 4" 150#	S 275 JR	7.9 kg	CCO02242	C2579
3	7	GKT SPIRAL WOUND 1" 150# Thk. 4.5mm	316L+GRAPHITE	0.3 kg		C3052
4	3	TEE 1" Sch.80	SA 420 WPL6	0.9 kg		D6278
5	2	FLANGE BLIND B16.5 4" 150# RF	SA 350 Gr. LF2 Cl.1	13.7 kg		C0696
6	7	FLANGE W.N.1" Sch. 80 150# RF	SA 350 Gr. LF2 Cl.1	8.1 kg		D6282
7	1	ELBOW L.R. 90° 1" Sch. 80	SA 420 WPL6	0.2 kg		D6263
8	397.328 mm	PIPE SMLSS 1 Sch.80	SA 333 Gr. 6	1.3 kg		D6261
9	77.040 mm	PIPE SMLSS 1 Sch.80	SA 333 Gr. 6	0.2 kg		D6261
10	3	ELBOW L.R. 90° 1" Sch.80	SA 420 WPL6	0.6 kg		D6263
11	416.328 mm	PIPE SMLSS 1 Sch.80	SA 333 Gr. 6	1.3 kg		D6261
12	77.040 mm	PIPE SMLSS 1 Sch.80	SA 333 Gr. 6	0.2 kg		D6261
13	246.744 mm	PIPE SMLSS 1 Sch.80	SA 333 Gr. 6	0.8 kg		D6261
14	866.328 mm	PIPE SMLSS 1 Sch.80	SA 333 Gr. 6	2.8 kg		D6261
15	135.084 mm	PIPE SMLSS 1 Sch.80	SA 333 Gr. 6	0.4 kg		D6261
16	3	PNEUMATIC BALL VALVE Ø1" 150# RF-68J000-SR75-04-CL	SA 352 LCC	51 kg	FAIL OPEN	L4623

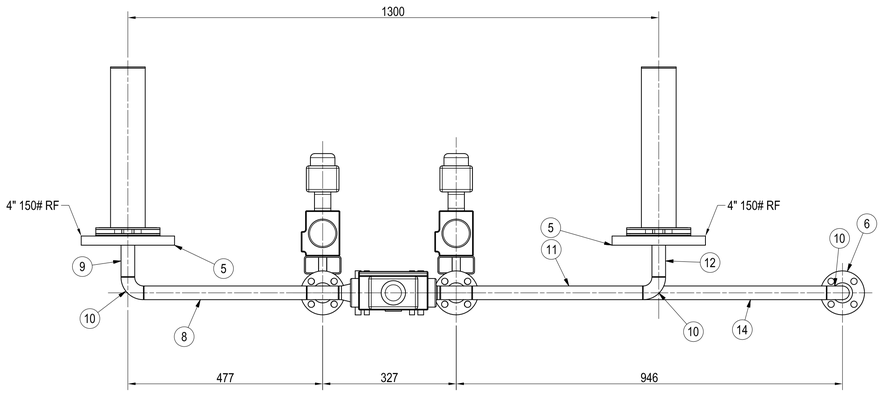
SECTION A-A (1 : 7.5)

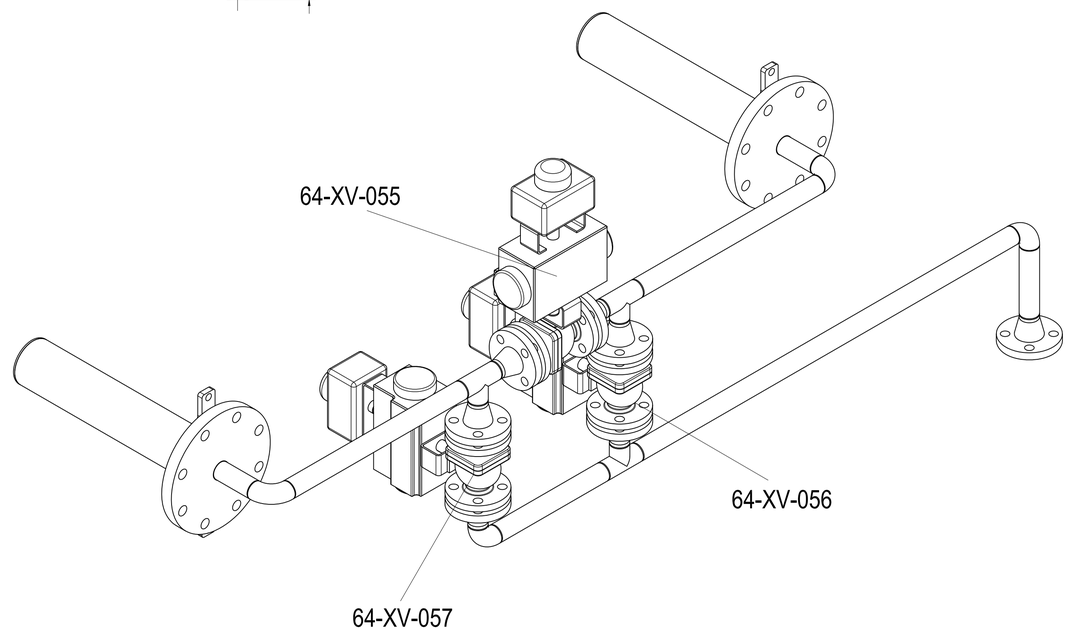




SECTION B-B (1 : 7.5)





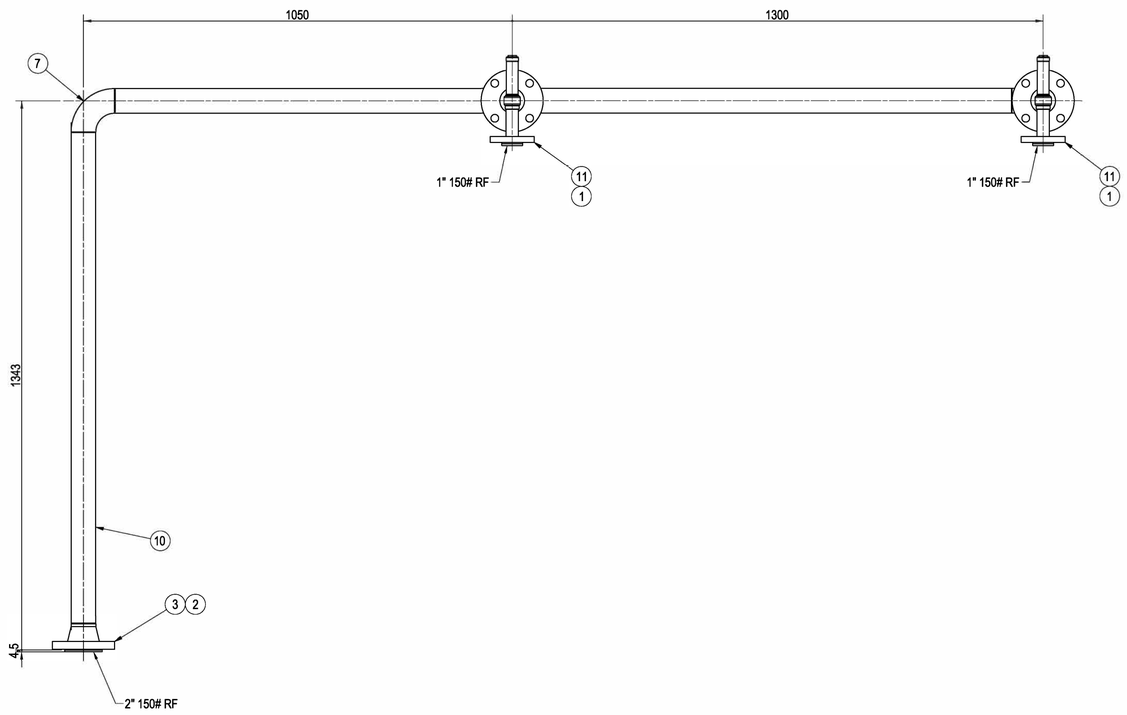


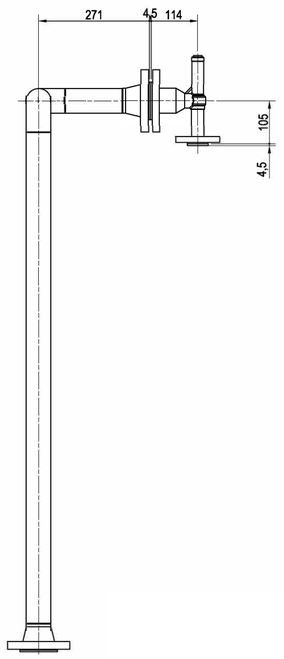
REV	DATE	DESCRIPTION	PREPARED	APPROVED
1	24/12/2024	REVISION	STC	GT
0	21/08/2024	ISSUE	STC	GT

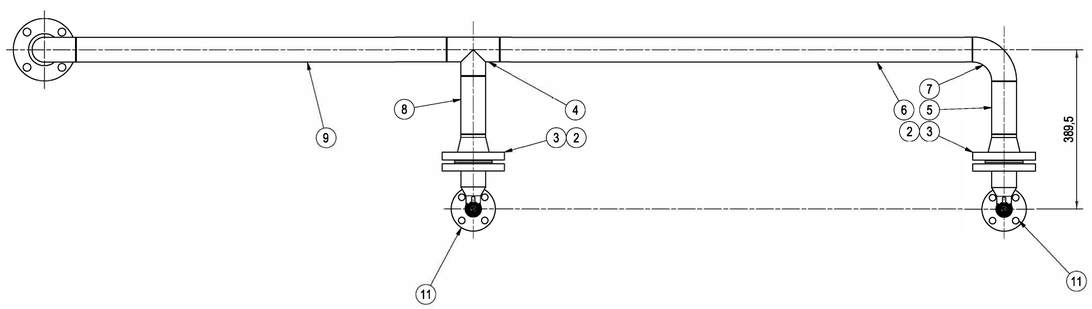
COMMESSA N° / JOB N° 167/24	SERIAL N°	FORMATO / SIZE A1	SCALA / SCALE 1 : 7.5
coes	ROSETTI MARINO N2 SKID - BLPH NETHERLAND - PIPING 05 - COES CODE L4584		DISEGNO N° / DRAWING N° CCO54058
			FOGLIO / SHEET 6 DI / OF 8

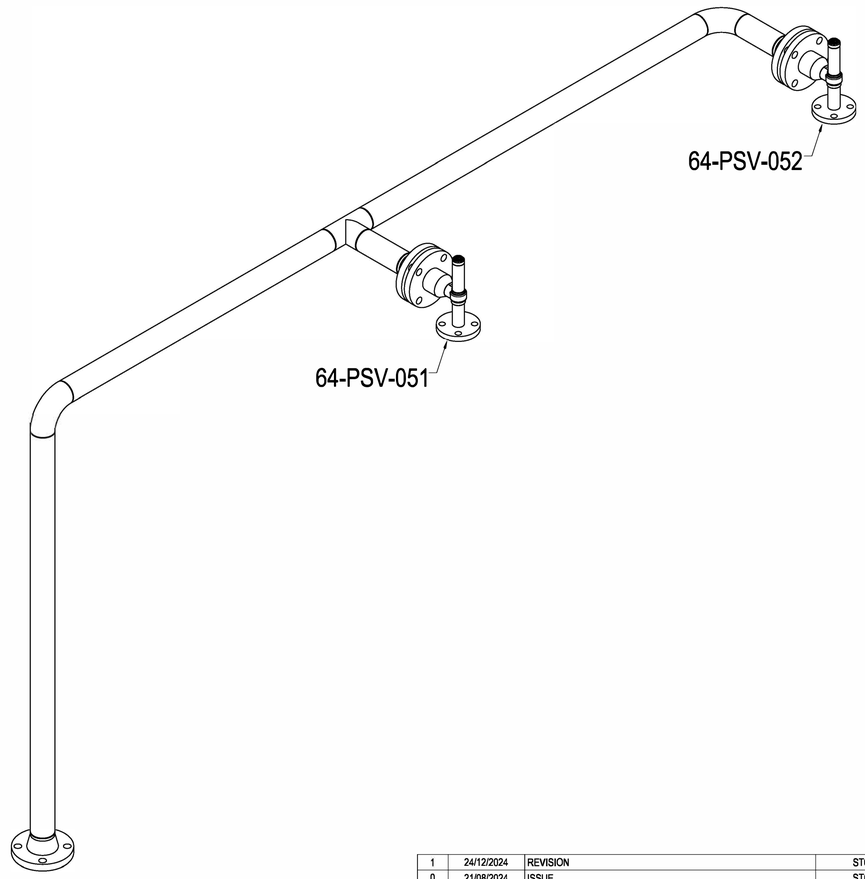
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ELENCO PARTI / BILL OF MATERIAL						
POS	QTY	DESCRIPTION	MATERIAL	WGT	NOTE	COD. COES
1	2	GKT SPIRAL WOUND 1" 150# Thk. 4.5mm	316L+GRAPHITE	0.1 kg		C3052
2	3	GKT SPIRAL WOUND 2" 150# Thk. 4.5mm	316L+GRAPHITE	0.5 kg		C2416
3	3	FLANGE W.N.2" Sch. 80 150# RF	SA 350 Gr. LF2 Cl.1	8.7 kg		F0529
4	1	TEE 2" Sch.80	SA 420 WPL6	1.2 kg		C1407
5	127.816 mm	PIPE SMLSS 2 Sch.80	SA 333 Gr. 6	1 kg		C1402
6	1156.800 mm	PIPE SMLSS 2 Sch.80	SA 333 Gr. 6	8.7 kg		C1402
7	2	ELBOW L.R. 90° 2" Sch.80	SA 420 WPL6	1.8 kg		C1403
8	140.016 mm	PIPE SMLSS 2 Sch.80	SA 333 Gr. 6	1 kg		C1402
9	906.800 mm	PIPE SMLSS 2 Sch.80	SA 333 Gr. 6	6.8 kg		C1402
10	1199.800 mm	PIPE SMLSS 2 Sch.80	SA 333 Gr. 6	9 kg		C1402
11	2	PSV N2 G10-API IN=1" 150# OUT=2" 150# - 12 barg	AISI 316/316L	11.6 kg		L4438









REV	DATE	DESCRIPTION	PREPARED	APPROVED
1	24/12/2024	REVISION	STC	GT
0	21/08/2024	ISSUE	STC	GT

COMMESSA N° / JOB N° 167/24 | SERIAL N° | FORMATO / SIZE A1 | SCALA / SCALE 1 : 7.5

coes

ROSETTI MARINO
N2 SKID - BLPH NETHERLAND
- PIPING 06 -
COES CODE L4585

DISEGNO N° / DRAWING N° CCO54058

FOGLIO / SHEET 7 DI / OF 8

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