

Status Code
 1 - For Review/Approval
Please Return Marked Up Prints By Date Stated
 2 - Approved For Manufacture
 3 - Certified Final
 4 - For Information Only

Reference Drawings
 09093-HDL362-P&ID-1126 - Piping and Instrumentation Details
 09093-HDL362-BP-1127 - Skid Fabrication Details

©
 This drawing and its content must not be copied or disclosed to a third party without explicit consent from Axflow



London (Head Office)
 Orion Park, Northfield Avenue, Ealing, London
 W13 9SJ Tel: 020 8579 2111 Fax: 020 8579 7326
 E-mail: Info@Axflow.co.uk

Aberdeen Office
 Unit 3, Harlaw Center Howemoss
 Crescent kirrhill IND EST, DYCE Aberdeen
 AB21 0GN TEL: 01224 729367 FAX: 01224 729368 E-Mail: info@axflow.co.uk

Huddersfield Office
 Unit 9 Fieldhouse Business park
 old Fieldhouse Lane huddersfield HD2 1FA
 TEL: 01484 543649 FAX: 01484 512608
 E-Mail: Service@axflow.co.uk

Drawing Title:
 Blackmer Vapour Recovery System with
 Condenser General Arrangement Drawing

Axflow Contract No.:

Rev	Drawn	Authorised	Date
1	J.Pestell	G.Walker	05.01.16
0	J.Pestell	G.Walker	05.01.16

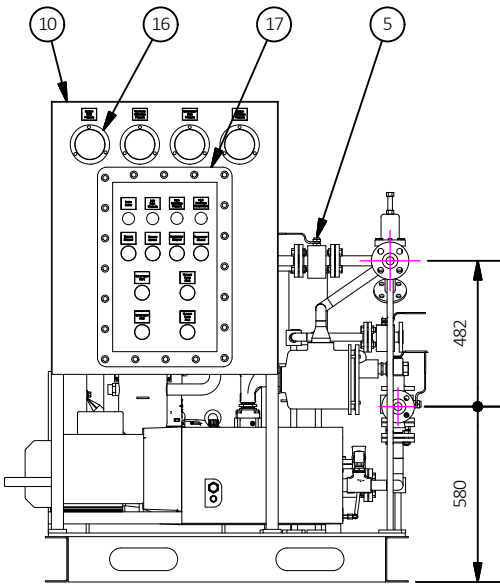
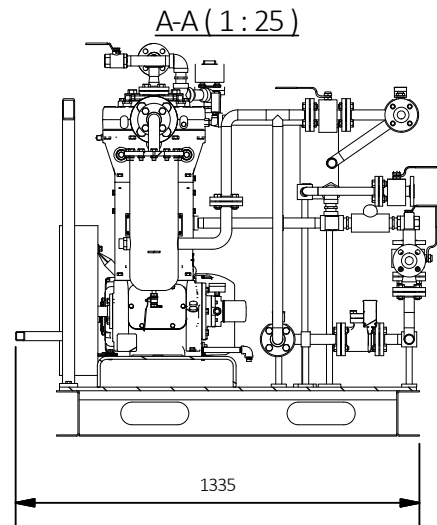
Modification	Status
As Built	3
New Drawing	1

Tolerances:
 Nozzle Position : N/A
 Fabrication : ± 5 mm
 Machining : ± 0.5 mm
 All Dimensions are in mm
 U.N.O.

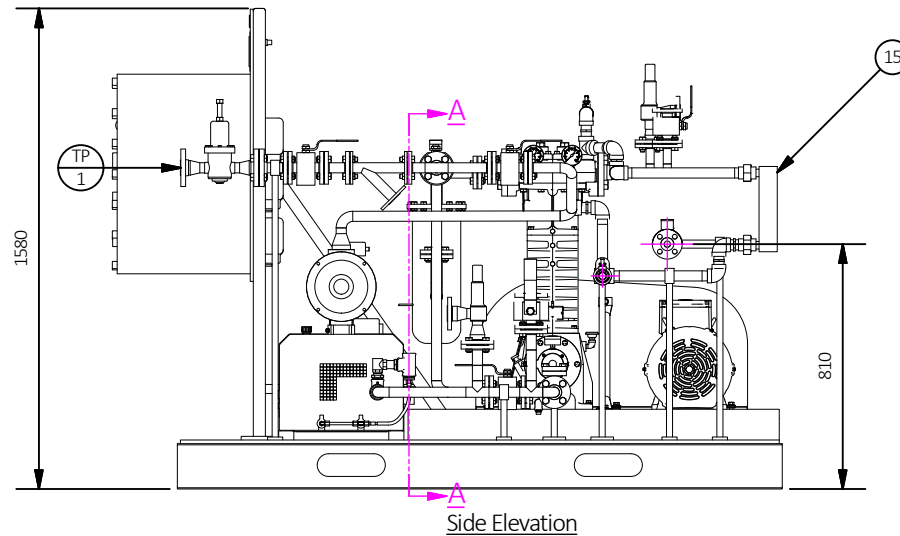
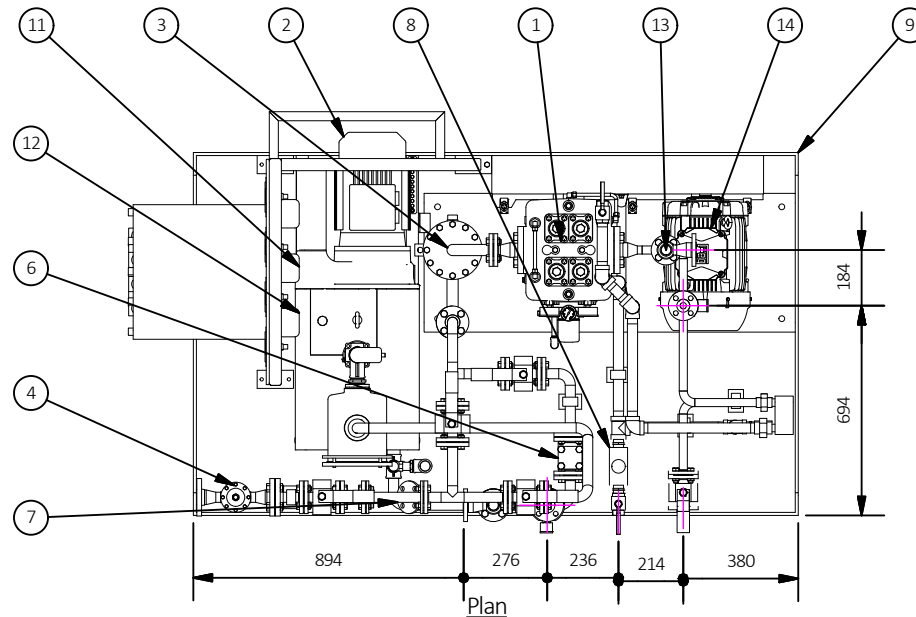
Scale:
 Custom
Size:
 A4

Drawing No:
 09093-HDL362-GA-1129

Rev
 1



Front Elevation on Vacuum Pump



Side Elevation

Bill of Materials

Item	Quantity	Description
1	1	Blackmer HDL362
2	1	Vacuum Pump
3	1	Liquid Trap
4	1	Regulating Valve
5	7	Manual Valve
6	1	Non Return Valve
7	1	'Y' Strainer
8	1	Coolant Flow Indicator
9	1	System Skid
10	1	Gauge Board
11	2	Pressure Switch
12	1	Temperature Switch
13	2	Pressure Relief Valve
14	1	Compressor Motor
15	1	Condenser
16	4	Gauges
17	1	EX Panel

System Duty Details

Product - Kela 132A + A125
 Temperature - Ambient
 Vessel Size - 20,000 Litres
 Heal Volume - @ 2 tonnes
 Compressor RPM - 650 RPM
 Inverter Driven - No
 Discharge Pressure - PRV set at 14 Bar (Compressor max - 24 bar)
 Average Displacement - 49.67 m3/hr
 Total Transfer Time - 1.8-2 hours approx

System Design Notes

1. Panel Supply - 230/400v 3ph+N+E
2. Skid material - Mild steel BS EN 10025:2004 Grd S275 - Galvanised
3. Process pipe work materials - Painted carbon steel
4. Coolant pipe work materials - Galvanised carbon steel
5. All dimmension are in MM
6. All sharp edges are to be removed
7. Pipe sizes will vary accross system

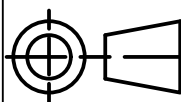
Status Code	1 - For Review/Approval Please Return Marked Up Prints By Date Stated		
	2 - Approved For Manufacture		
	3 - Certified Final		
	4 - For Information Only		

Reference Drawings			
09093-HDL362-P&ID-1126 - Piping and Instrumentation Details			
09093-HDL362-BP-1127 - Skid Fabrication Details			

© This drawing and its content must not be copied or disclosed to a third party without explicit consent from Axflow

Tolerances:
 Nozzle Position : N/A
 Fabrication : ± 5 mm
 Machining : ± 0.5 mm
 All Dimensions are in mm U.N.O.

Scale:
 Custom
Size:
 A4



London (Head Office)
 Orion Park, Northfield Avenue, Ealing, London
 W13 9SJ Tel: 020 8579 2111 Fax: 020 8579 7326
 E-mail: info@axflow.co.uk

Aberdeen Office
 Unit 3, Harlaw Center Howemoss
 Crescent kirhill IND EST, DYCE Aberdeen
 AB21 0GN TEL: 01224 729367 FAX: 01224 729368 E-Mail: info@axflow.co.uk

Huddersfield Office
 Unit 9 Fieldhouse Business park
 old Fieldhouse Lane huddersfield HD2 1FA
 TEL: 01484 543649 FAX: 01484 512608
 E-Mail: Service@axflow.co.uk

Drawing Title:
 Blackmer Vapour Recovery System with
 Condenser General Arrangement Drawing

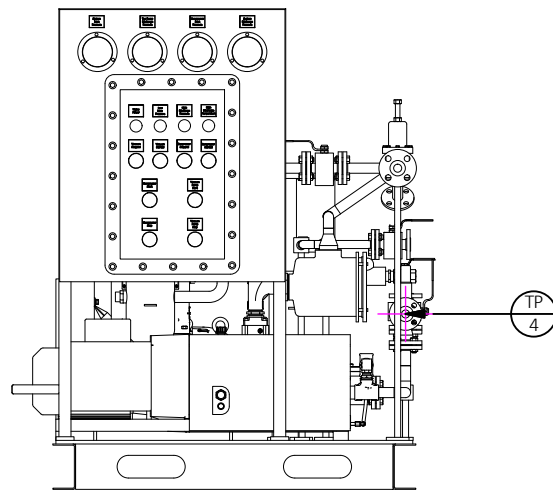
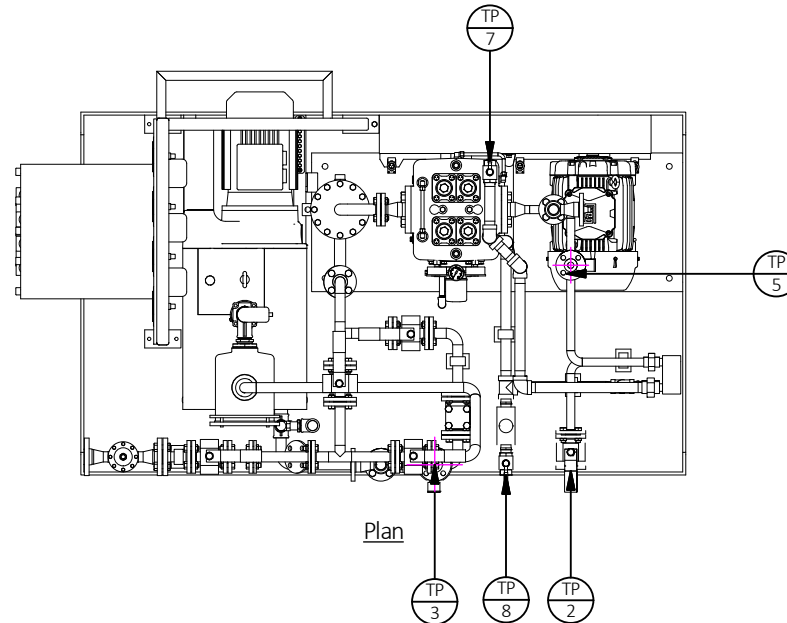
Axflow Contract No:

Drawing No: 09093-HDL362-GA-1129 **Rev** 1

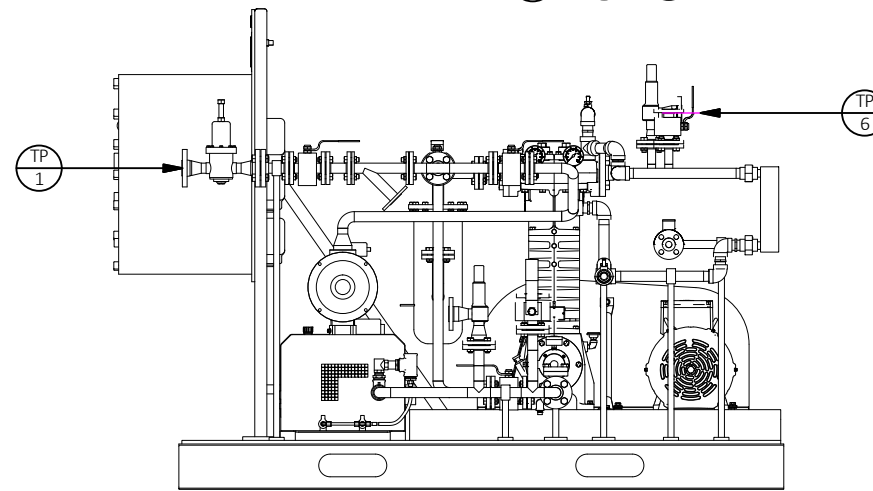
Rev	Drawn	Authorised	Date	Modification	Status
1	J.Pestell	G.Walker	05.01.16	As Built	3
0	J.Pestell	G.Walker	05.01.16	New Drawing	1

Termination Schedule

Item	Size	Type	Service
1	1"	ASA 300	System Suction
2	3/4"	ASA 150	System Discharge
3	1"	ASA 150	Vent Valve
4	1"	ASA 150	Vacuum Pressure Relief Valve
5	3/4"	ASA 150	Vent Valve
6	1"	ASA 150	System Pressure Relief Valve
7	1"	BSP	Cooling Water
8	1"	BSP	Cooling Water



Front Elevation on Vacuum Pump



Side Elevation

Status Code	1 - For Review/Approval Please Return Marked Up Prints By Date Stated	2 - Approved For Manufacture	3 - Certified Final	4 - For Information Only

Reference Drawings	
09093-HDL362-P&ID-1126 - Piping and Instrumentation Details	
09093-HDL362-BP-1127 - Skid Fabrication Details	

© This drawing and its content must not be copied or disclosed to a third party without explicit consent from Axflow



London (Head Office)
Orion Park, Northfield Avenue, Ealing, London
W13 9SJ Tel: 020 8579 2111 Fax: 020 8579 7326
E-mail: Info@Axflow.co.uk

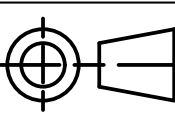
Aberdeen Office
Unit 3, Harlaw Center Howemoss
Crescent kirhill IND EST, DYCE Aberdeen
AB21 0GN TEL: 01224 729367 FAX: 01224 729368 E-Mail: info@axflow.co.uk

Huddersfield Office
Unit 9 Fieldhouse Business park
old Fieldhouse Lane huddersfield HD2 1FA
TEL: 01484 543649 FAX: 01484 512608
E-Mail: Service@axflow.co.uk

Rev	Drawn	Authorised	Date
1	J.Pestell	G.Walker	05.01.16
0	J.Pestell	G.Walker	05.01.16

Modification	Status
As Built	3
New Drawing	1

Tolerances:
Nozzle Position : N/A
Fabrication : ± 5 mm
Machining : ± 0.5 mm
All Dimensions are in mm
U.N.O.



Drawing Title:
Blackmer Vapour Recovery System with
Condenser General Arrangement Drawing

Axflow Contract No:	
Drawing No:	09093-HDL362-GA-1129
Rev	1