

Service Ref	Order No/Job No...
Client Ref	Client's PO/Client's Ref
Contact	Contact Name
Site	ASSENTECH



	PASSED
	FAILED
	n/a

	Tag No	Serial No	Date	Pre Service	Post Service
1	Valve1_Tag_No	Valve1_SN	19/Oct/2023		
2	Valve2_Tag_No	Valve2_SN	19/Oct/2023		



**Result: PASSED**

Manufacturer	Manufacturer
Model	Model No
Design	TOP MOUNTED
Body	CARBON STEEL
Serial No	SN
Tag No	Tag No
Size	20 "
Inlet / Outlet Flange	Inlet: API 650
Media	

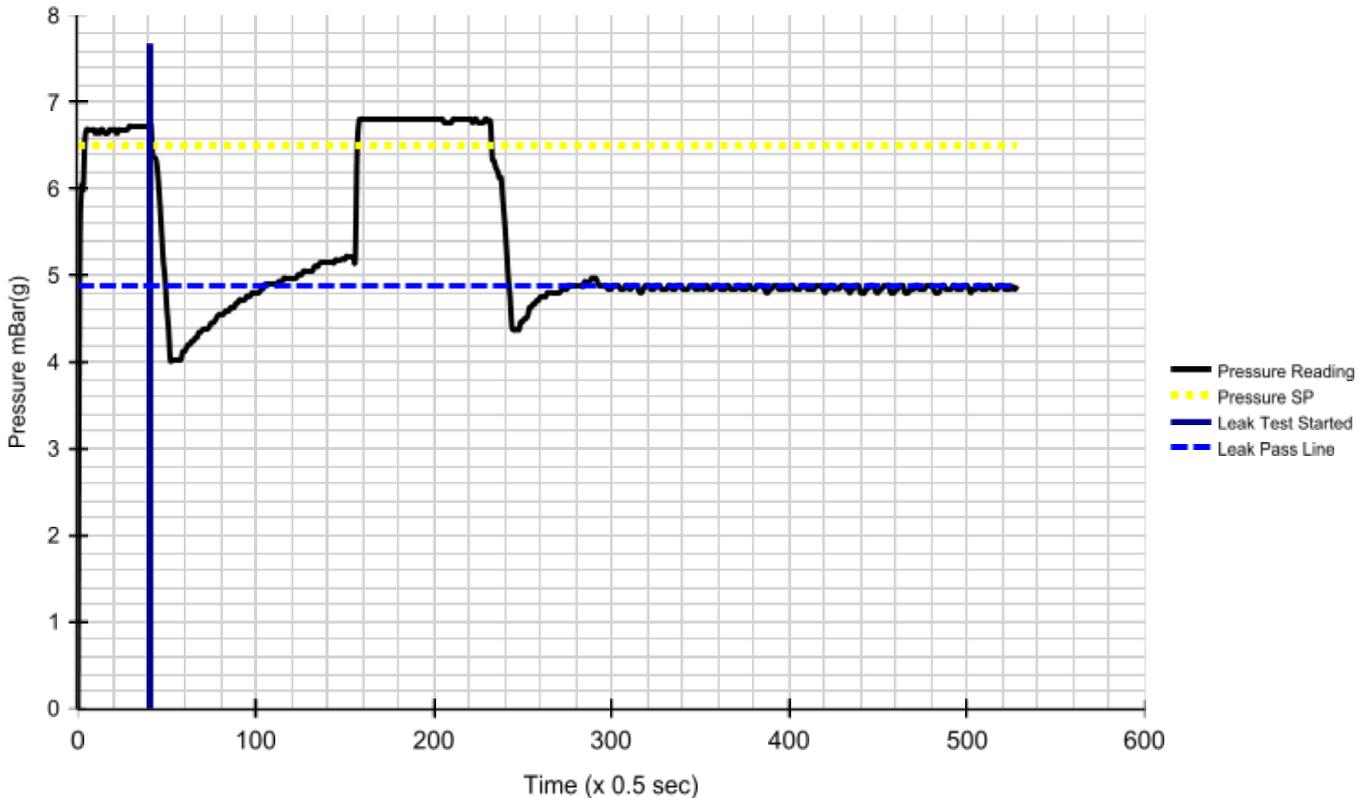
Customer	Client's Name
Customer Ref	Client's Ref
Site	Site Name
Tank Ref	Tank Ref
Date	19/Oct/2023
Test Location	ASSENTECH
User	Engineer/User Name
Bench SN	TestBench SN
Bench CAL Date	03/Oct/2023

**Pressure Port**

Operated By: WEIGHT LOADED  
Specified Set Point (SP): 6.5 mBar(g)  
Tested in accordance with: ISO28300 & API2000 + Leak Rate @75% of SP

SP Test Result	±% of SP	Max-Min mBar(g)	
6.8 mBar(g)	10%	5.85 to 7.15	<b>PASSED</b>
Leak Test Result	>% of SP	Min mBar(g)	
6.8 mBar(g) (104.6% of SP)	75%	4.875 mBar(g)	<b>PASSED</b>

Leak rate @75% = 0.1178 CFH (55.6 cm³/min), (29.22 m³ /year)



**Comments & Observation**



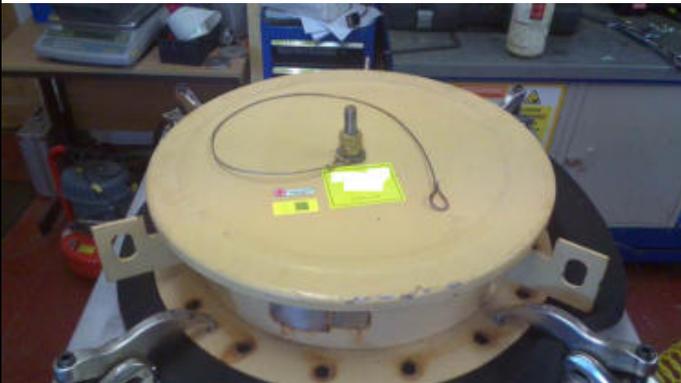
The valve was stripped, cleaned and inspected. New soft goods fitted and the setting packages weighed. The seat rings were cleaned, polished and lapped to remove any imperfections and pallet assemblies checked for linearity. Because the valve failed the pre-service test it is recommended to shorten the next service interval by 6 months. It is recommended that the valve performance is not allowed to drop this far to minimise environmental/cost impacts.

Valve SN /Tag No

Job Ref: Order No

Customer Ref: Client's Ref

**Post-Service**





**Result: FAILED**

Manufacturer	Manufacturer
Model	Model No
Design	TOP MOUNTED
Body	CARBON STEEL
Serial No	SN
Tag No	Tag No
Size	20 "
Inlet / Outlet Flange	Inlet: API 650
Media	

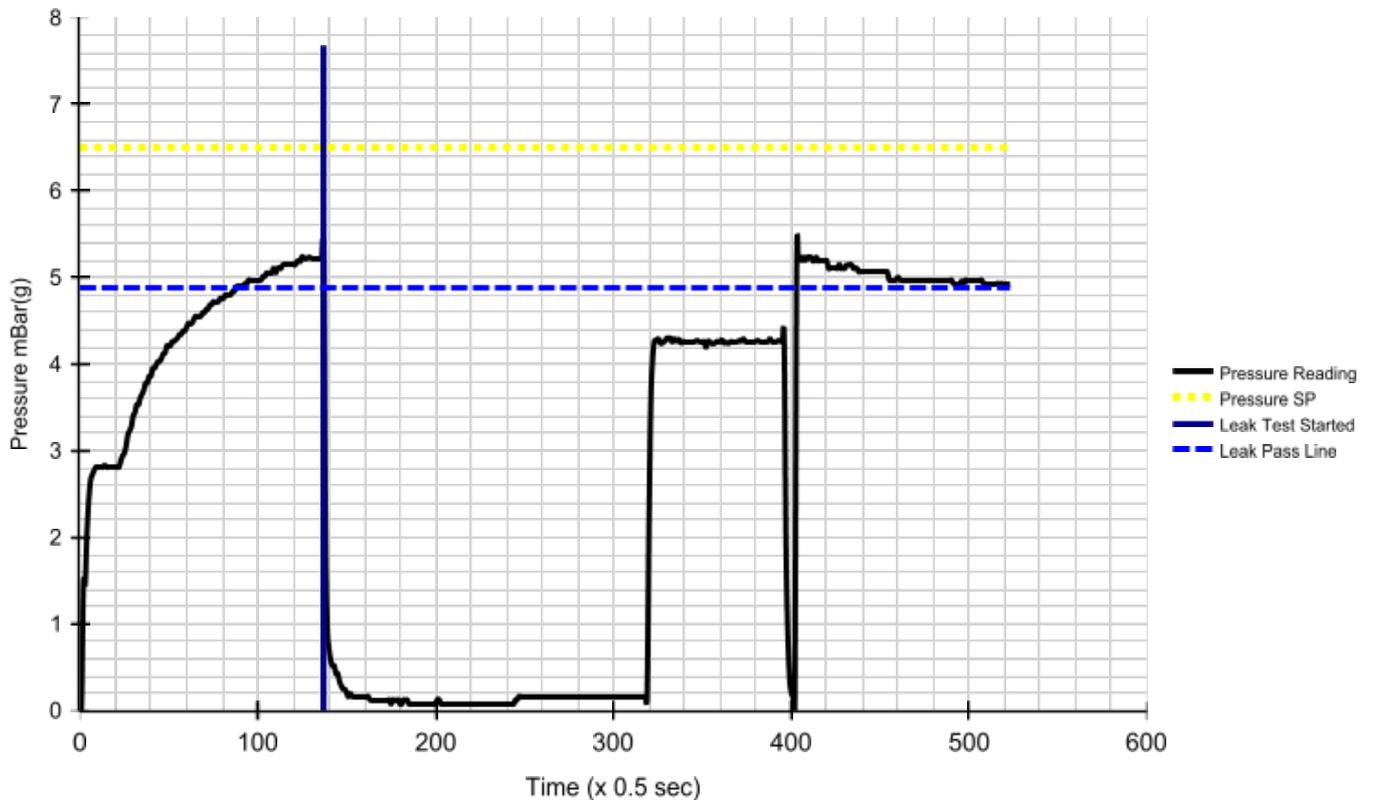
Customer	Client's Name
Customer Ref	Client's Ref
Site	Site Name
Tank Ref	Tank Ref
Date	19/Oct/2023
Test Location	ASSENTECH
User	Engineer/User Name
Bench SN	TestBench SN
Bench CAL Date	03/Oct/2023

**Pressure Port**

Operated By	WEIGHT LOADED	Tested in accordance with
Specified Set Point (SP)	6.5 mBar(g)	ISO28300 & API2000 + Leak Rate @75% of SP

SP Test Result	±% of SP	Max-Min mBar(g)	
5.24 mBar(g)	10%	5.85 to 7.15	<b>FAILED</b>
Leak Test Result	>% of SP	Min mBar(g)	
4.3 mBar(g) (66.2% of SP)	75%	4.875 mBar(g)	<b>FAILED</b>

Leak rate @75% = 37.6443 CFH (17765.1 cm<sup>3</sup>/min), (9337.34 m<sup>3</sup> /year)



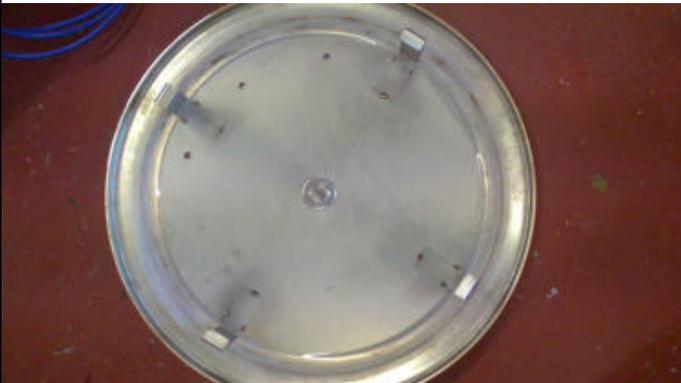
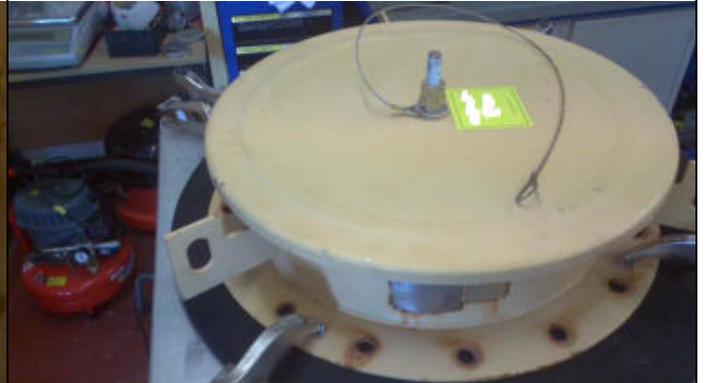
**Comments & Observation**



Valve was tested prior to any work done to record its functional efficiency and detect any underlying issues. A baseline leak rate was taken to demonstrate the improvement achieved post service.

Valve SN /Tag No  
Customer Ref: Client's Ref

Job Ref: Order No  
**Pre-Service**





**Result: PASSED**

Manufacturer	Manufacturer
Model	Model No
Design	TOP MOUNTED
Body	ALUMINIUM
Serial No	SN
Tag No	Tag No
Size	4 "
Inlet / Outlet Flange	Inlet: ANSI 150#
Media	

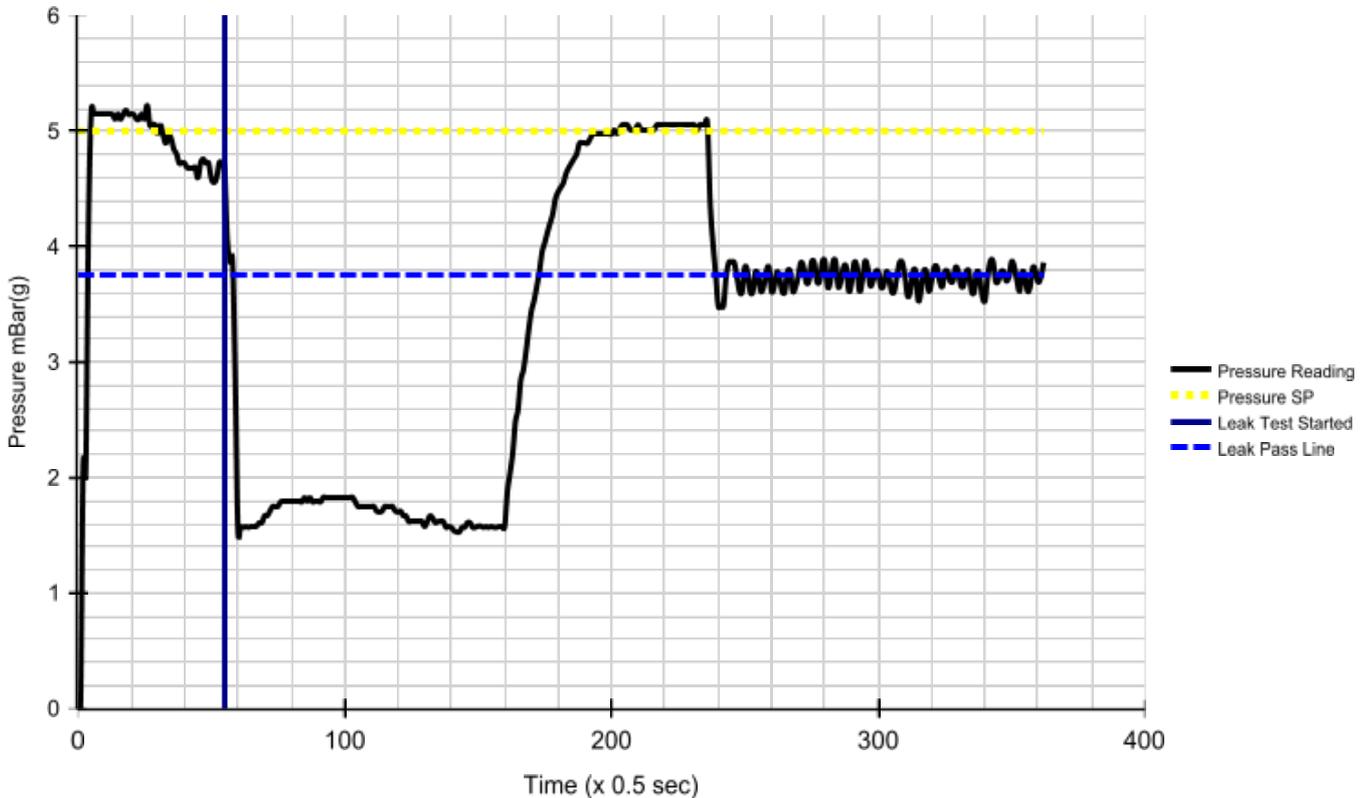
Customer	Client's Name
Customer Ref	Client's Ref
Site	Site Name
Tank Ref	Tank Ref
Date	19/Oct/2023
Test Location	ASSENTECH
User	Engineer/User Name
Bench SN	TestBench SN
Bench CAL Date	03/Oct/2023

**Pressure Port**

Operated By: WEIGHT LOADED  
Specified Set Point (SP): 5 mBar(g)  
Tested in accordance with: ISO28300 & API2000 + Leak Rate @75% of SP

SP Test Result	±% of SP	Max-Min mBar(g)	
5.22 mBar(g)	15%	4.25 to 5.75	<b>PASSED</b>
Leak Test Result	>% of SP	Min mBar(g)	
5.05 mBar(g) (101% of SP)	75%	3.75 mBar(g)	<b>PASSED</b>

Leak rate @75% = 0.164 CFH (77.4 cm<sup>3</sup>/min), (40.68 m<sup>3</sup> /year)



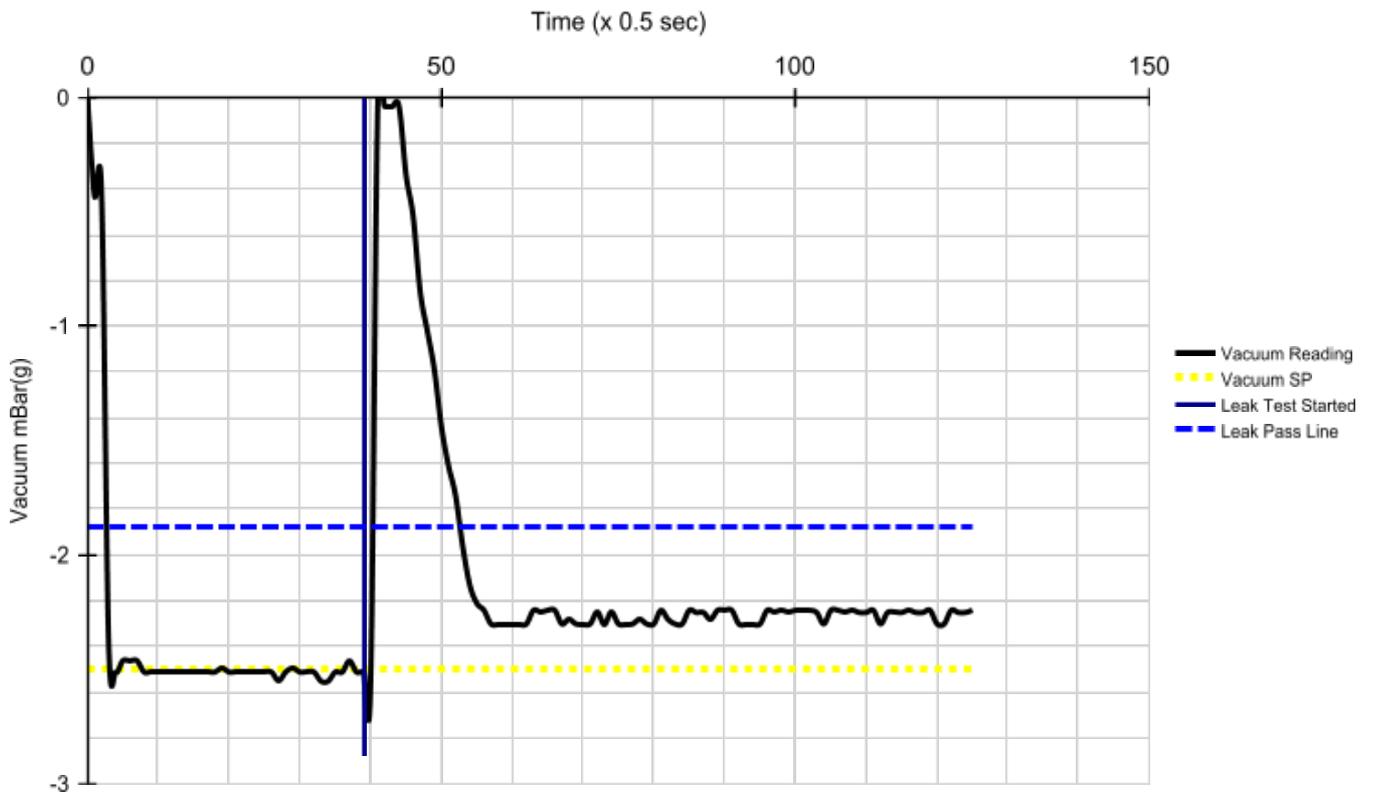


**Result: PASSED**

**Vacuum Port**

Operated By	WEIGHT LOADED	Tested in accordance with
Specified Set Point (SP)	-2.5 mBar(g)	ISO28300 & API2000

SP Test Result	±% of SP	Max-Min mBar(g)	
-2.55 mBar(g)	15%	-2.875 to -2.125	<b>PASSED</b>
Leak Test Result	±% of SP	Min mBar(g)	
-2.3 mBar(g) (92% of SP)	15%	-1.875	<b>PASSED</b>



**Comments & Observation**



The valve was stripped, cleaned and inspected. New soft goods fitted and the setting packages weighed. The seat rings were cleaned, polished and lapped to remove any imperfections and pallet assemblies checked for linearity. Because the valve failed the pre-service test it is recommended to shorten the next service interval by 6 months. It is recommended that the valve performance is not allowed to drop this far to minimise environmental/cost impacts.

Valve SN /Tag No  
Customer Ref: Client's Ref

Job Ref: Order No  
**Post-Service**





**Result: FAILED**

Manufacturer	Manufacturer
Model	Model No
Design	TOP MOUNTED
Body	ALUMINIUM
Serial No	SN
Tag No	Tag No
Size	4 "
Inlet / Outlet Flange	Inlet: ANSI 150#
Media	

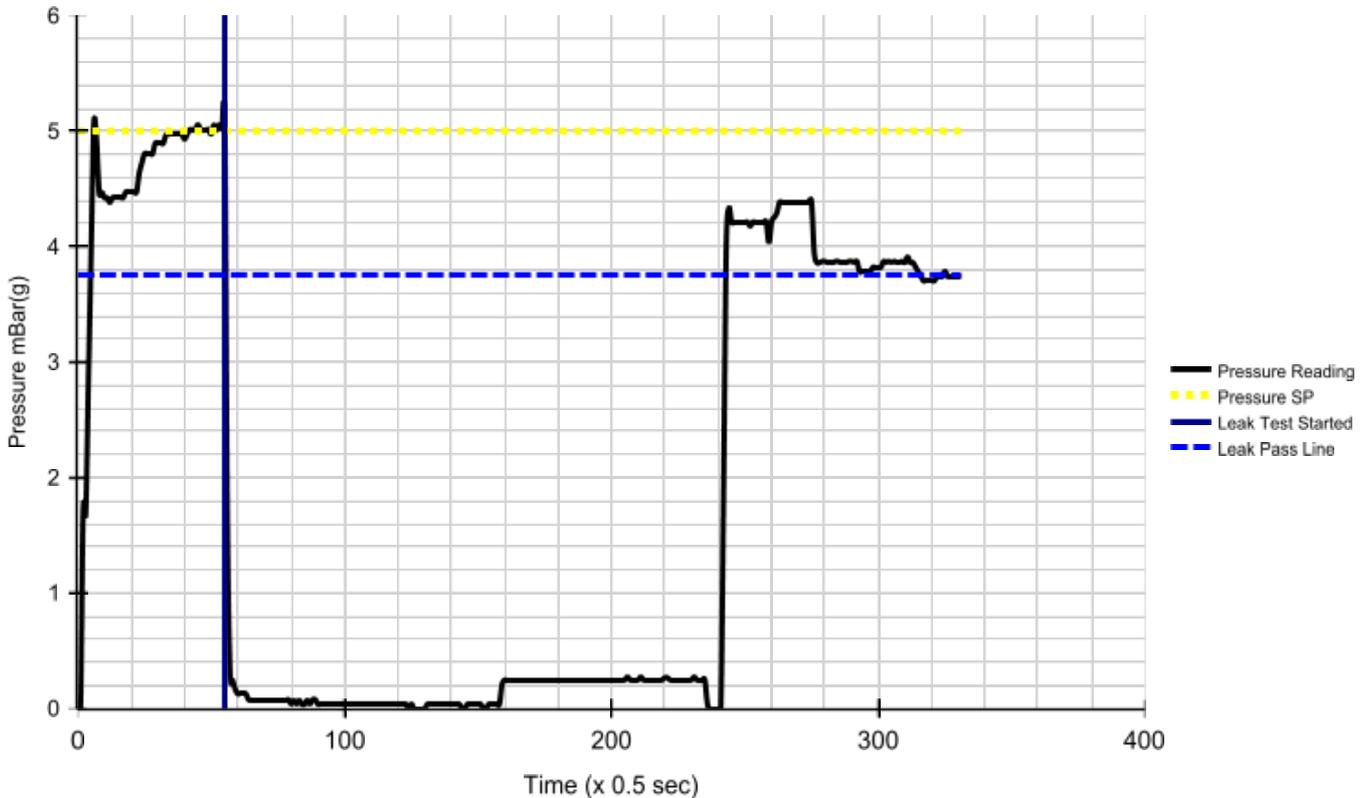
Customer	Client's Name
Customer Ref	Client's Ref
Site	Site Name
Tank Ref	Tank Ref
Date	19/Oct/2023
Test Location	ASSENTECH
User	Engineer/User Name
Bench SN	TestBench SN
Bench CAL Date	03/Oct/2023

**Pressure Port**

Operated By: WEIGHT LOADED  
Specified Set Point (SP): 5 mBar(g)  
Tested in accordance with: ISO28300 & API2000 + Leak Rate @75% of SP

SP Test Result	±% of SP	Max-Min mBar(g)	
5.05 mBar(g)	15%	4.25 to 5.75	<b>PASSED</b>
Leak Test Result	>% of SP	Min mBar(g)	
0.27 mBar(g) (5.4% of SP)	75%	3.75 mBar(g)	<b>FAILED</b>

**Leak rate @75% = 2.6928 CFH (1270.8 cm³/min), (667.93 m³ /year)**



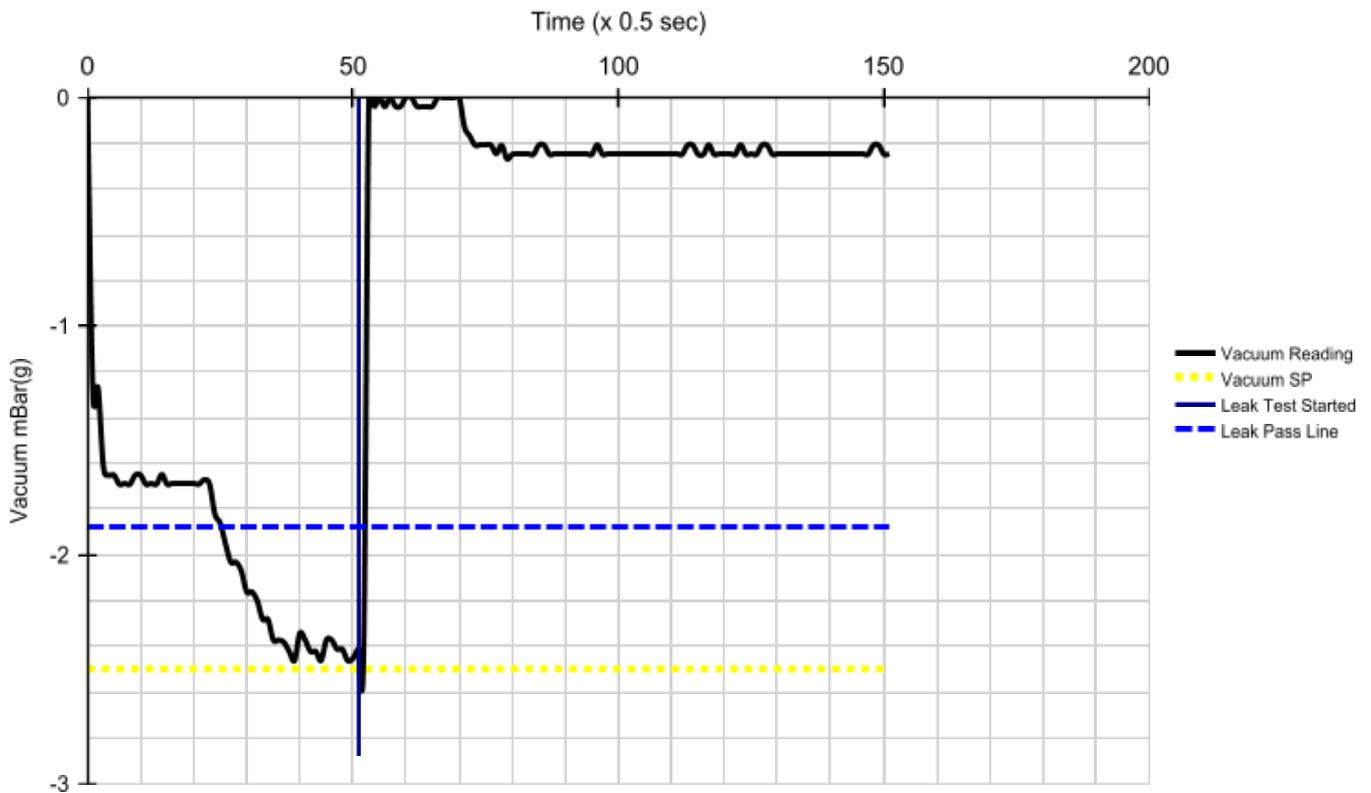


**Result: FAILED**

**Vacuum Port**

Operated By	WEIGHT LOADED	Tested in accordance with
Specified Set Point (SP)	-2.5 mBar(g)	ISO28300 & API2000

SP Test Result	±% of SP	Max-Min mBar(g)	
-2.46 mBar(g)	15%	-2.875 to -2.125	<b>PASSED</b>
Leak Test Result	±% of SP	Min mBar(g)	
-0.25 mBar(g) (10% of SP)	15%	-1.875	<b>FAILED</b>



**Comments & Observation**

Valve was tested prior to any work done to record its functional efficiency and detect any underlying issues. A baseline leak rate was taken to demonstrate the improvement achieved post service.

Valve SN /Tag No  
Customer Ref: Client's Ref

Job Ref: Order No  
**Pre-Service**

