

# Leakage Test

*Salhydro*

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## **Leakage test**

The leakage test is conducted in accordance with standard ISO 1402.

The test assemblies are subjected to specified test pressure for 5 min  $\pm$  0.5 min and then reduced to zero. Re-applied the specified test pressure and maintained it for a further period of 5 min  $\pm$  0.5 min.

This is considered a destructive test, and the test assemblies shall be destroyed after the test.

At the end of the test, there shall be no leakage or evidence of failure.

## Corrugate Hose

Sample N.	Hose Description					Fitting Description			
	Producer	Hose Type	Variety	DN.	Working Pressure [bar/psi]	Producer	Nipple	Ferrule	C.D. [mm]
1	Salhydro	CFPTF1MB010065.LX	PTFE	6	135/1958	Vitillo	FDG0404	BPTFEC04	12.80
2	Salhydro	CFPTF1MB010095.LX	PTFE	10	125/1812	Vitillo	FDG0606	BPTFEC06	16.00
3	Salhydro	CFPTF1MB010130.LX	PTFE	12	110/1595	Vitillo	FDG0808	BPTFCE08	19.40
4	Salhydro	CFPTF1MB010160.LX	PTFE	16	80/1160	Vitillo	FDG1012	BPTFEC10	22.20
5	Salhydro	CFPTF1MB010190.LX	PTFE	19	70/1015	Vitillo	FDG1212	BPTFEC12	26.20
6	Salhydro	CFPTF1MB010254.LX	PTFE	25	50/725	Vitillo	FDG1616	BPTFCE16	32.70

Leakage test - ISO 1402			
Sample N.	Leakage Pressure [bar/psi]	Maximum Pressure Value [bar/psi]	Test Results
1	378/5482	379/5496	Passed
2	350/5076	359/5206	Passed
3	308/4467	316/4583	Passed
4	224/3248	234/3393	Passed
5	196/2842	200/2900	Passed
6	140/2030	152/2204	Passed

\*Test fluid – Anderol PS 46

- The hose CFPTF1MB010080.LX (DN 8) is the only one not compatible with our ferrules

## Smooth Hose

Sample N.	Hose Description					Fitting Description			
	Producer	Hose Type	Variety	DN.	Working Pressure [bar/psi]	Producer	Nipple	Ferrule	C.D. [mm]
1	Salhydro	TFPTF1MB010050.LX	PTFE	5	200/2900	Vitillo	FDG0304	BPTFE03	11.00
2	Salhydro	TFPTF1MB010065.LX	PTFE	6	175/2538	Vitillo	FDG0404	BPTFE04	13.10
3	Salhydro	TFPTF1MB010080.LX	PTFE	8	150/2175	Vitillo	FDG0506	BPTFE05	14.70
4	Salhydro	TFPTF1MB010095.LX	PTFE	10	135/1958	Vitillo	FDG0606	BPTFE06	16.20
5	Salhydro	TFPTF1MB010130.LX	PTFE	12	120/1740	Vitillo	FDG0808	BPTFE08	20.80
6	Salhydro	TFPTF1MB010160.LX	PTFE	16	100/1450	Vitillo	FDG1012	BPTFE10	22.20
7	Salhydro	TFPTF1MB010190.LX	PTFE	19	90/1305	Vitillo	FDG1212	BPTFE12	27.90
8	Salhydro	TFPTF1MB010254.LX	PTFE	25	65/942	Vitillo	FDG1616	BPTFE16	34.40

Leakage test - ISO 1402			
Sample N.	Leakage Pressure [bar/psi]	Maximum Pressure Value [bar/psi]	Test Results
1	560/8122	566/8209	Passed
2	490/7106	502/7280	Passed
3	420/6091	422/6120	Passed
4	378/5482	385/5583	Passed
5	336/4873	340/4931	Passed
6	280/4061	285/4133	Passed
7	252/3654	255/3698	Passed
8	182/2639	190/2755	Passed

\*Test fluid – Anderol PS 46

**CFPTF1MB010065.LX**



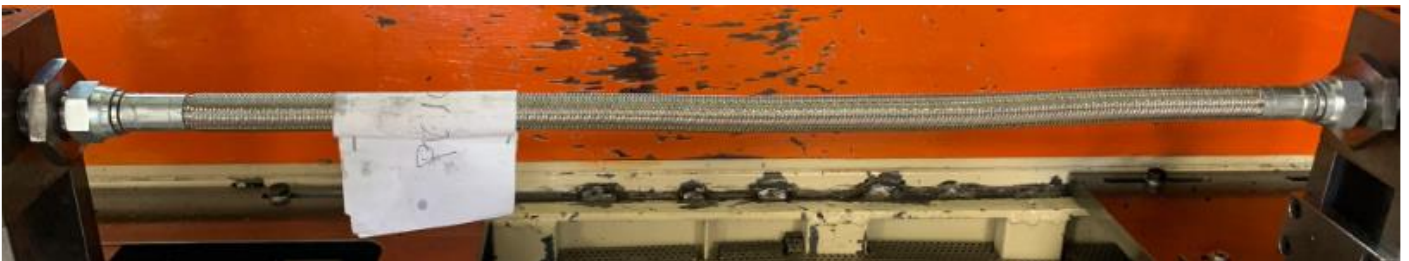
**CFPTF1MB010065.LX**



**CFPTF1MB010130.LX**



**CFPTF1MB010160.LX**



**CFPTF1MB010190.LX**



**CFPTF1MB010254.LX**





**TFPTF1MB010050.LX**



**TFPTF1MB010065.LX**



**TFPTF1MB010080.LX**



**TFPTF1MB010095.LX**



**TFPTF1MB010130.LX**



**TFPTF1MB010160.LX**



**TFPTF1MB010190.LX**



**TFPTF1MB010254.LX**



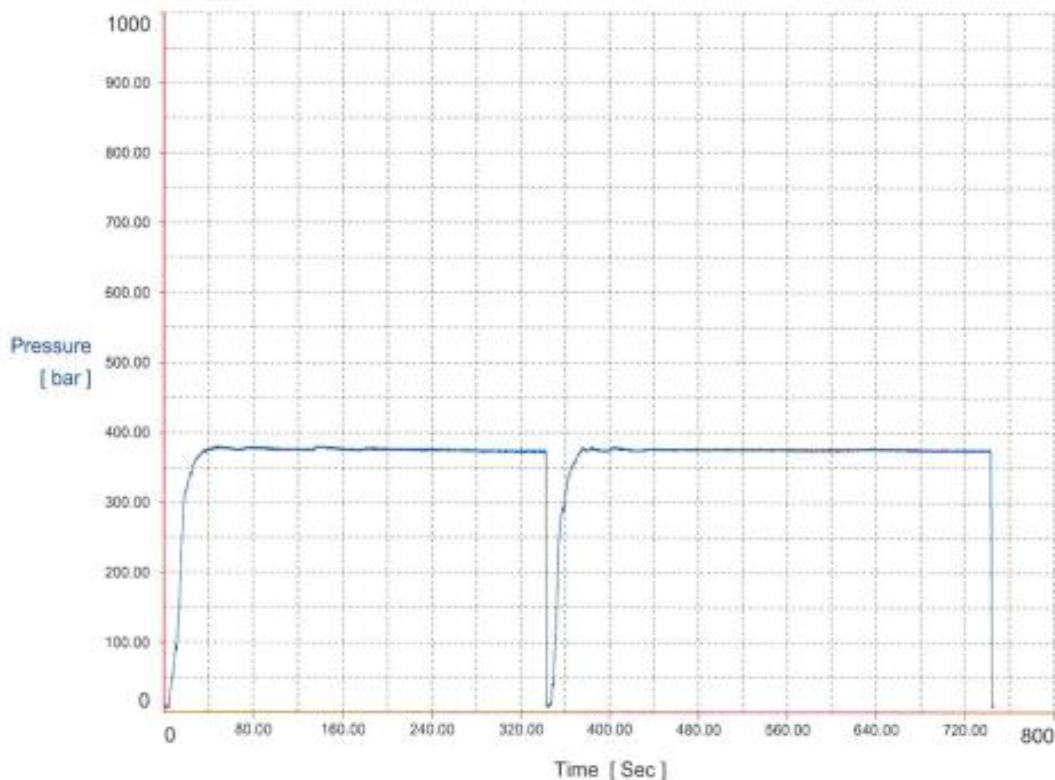


	TEST REPORT	Date: 20/ 10/ 2022	Test N°
		Time: 14.45.15	00002492

Batch N°:		Hose Type:	CFPTF1MB010065.LX
Standard:		Internal Diameter (mm):	
Elongation:	%	Reinforcement Diameter (mm):	
Test Fluid:	ANDEROL PS 46	Outside Diameter:	
Customer:		Nipple:	FDG0404
Working Pressure (bar):		Ferrule:	BPTFEC04
Note 1:	LEAKAGE TEST 378 bar	Crimping Diameter:	12.8
Note 2:		Standard Burst Pressure (bar):	540

Maximum Pressure Value = 379.39 bar

### PRESSURE CURVE



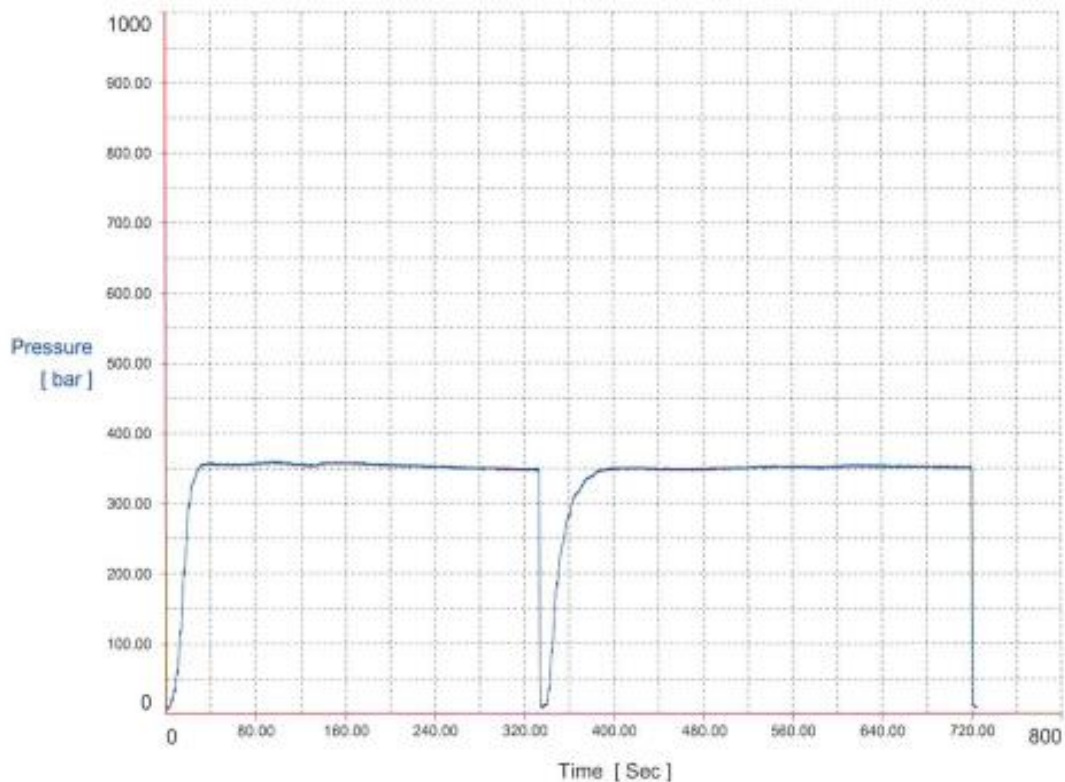


	TEST REPORT	Date: 20/ 10/ 2022	Test N°
		Time: 14.45.09	00002491

Batch N°:		Hose Type:	CFPTF1MB010095.LX
Standard:		Internal Diameter (mm):	
Elongation:	%	Reinforcement Diameter (mm):	
Test Fluid:	ANDEROL PS 46	Outside Diameter:	
Customer:		Nipple:	FDG0808
Working Pressure (bar):		Ferrule:	BPTFEC06
Note 1:	LEAKAGE TEST 350 bar	Crimping Diameter:	16.00
Note 2:		Standard Burst Pressure (bar):	500

Maximum Pressure Value = 358.89 bar

### PRESSURE CURVE



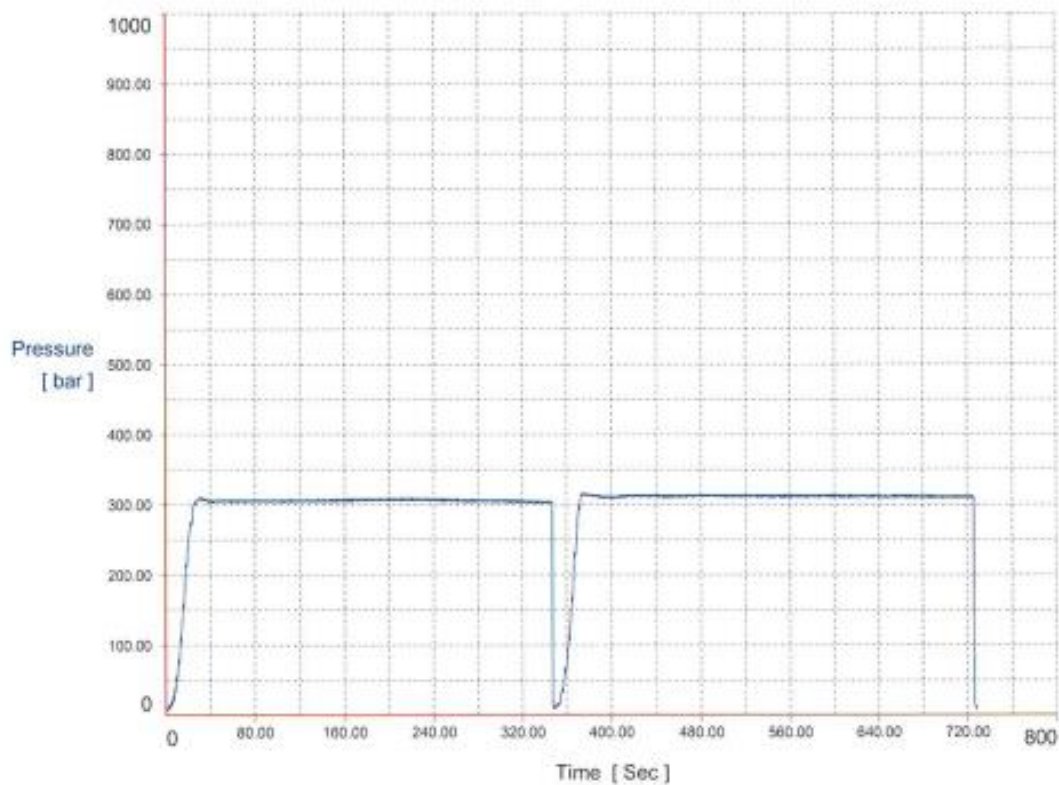


	TEST REPORT	Date: 20/ 10/ 2022	Test N°
		Time: 14.26.29	00002489

Batch N°:		Hose Type:	CFPTF1MB010130.LX
Standard:		Internal Diameter (mm):	
Elongation:	%	Reinforcement Diameter (mm):	
Test Fluid:	ANDEROL PS 46	Outside Diameter:	
Customer:		Nipple:	FDG0808
Working Pressure (bar):		Ferrule:	BPTFCE08
Note 1:	LEAKAGE TEST 308 bar	Crimping Diameter:	19.40
Note 2:		Standard Burst Pressure (bar):	440

Maximum Pressure Value = 316,16 bar

### PRESSURE CURVE





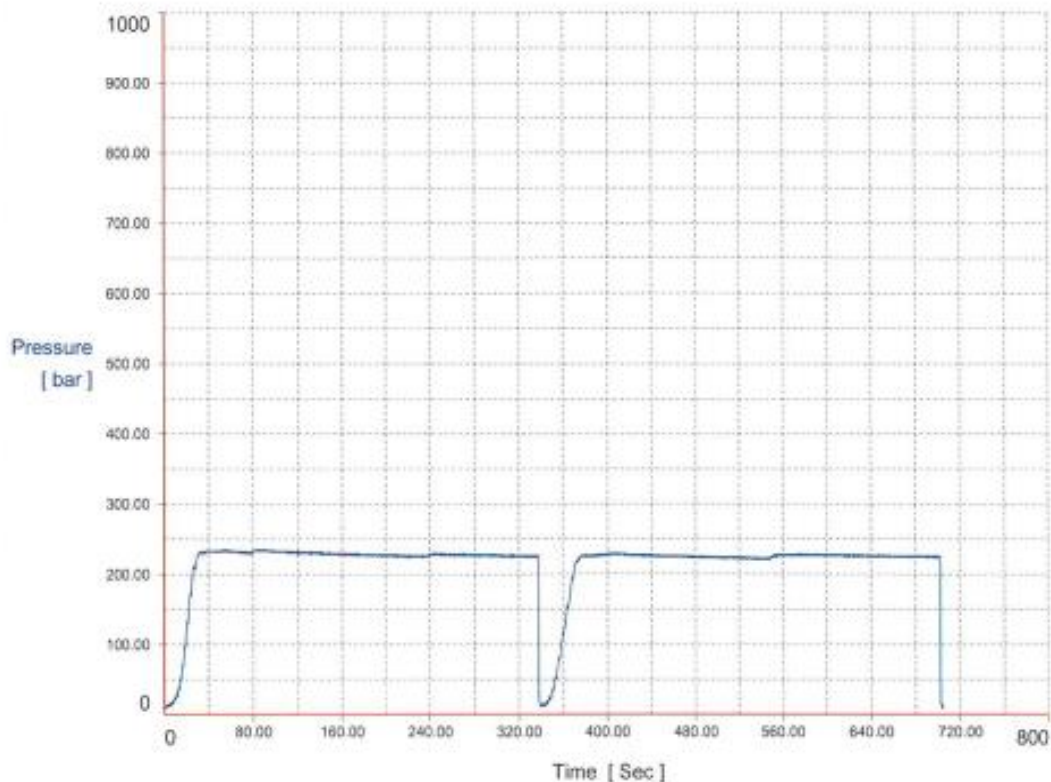


	TEST REPORT	Date: 20/ 10/ 2022	Test N°
		Time: 18.00.33	00002490

Batch N°:		Hose Type:	CFPTF1MB010160.LX
Standard:		Internal Diameter (mm):	
Elongation:	%	Reinforcement Diameter (mm):	
Test Fluid:	ANDEROL PS 46	Outside Diameter:	
Customer:		Nipple:	FDG1012
Working Pressure (bar):		Ferrule:	BPTFEC10
Note 1:	LEAKAGE TEST 224 bar	Crimping Diameter:	22.20
Note 2:		Standard Burst Pressure (bar):	320

Maximum Pressure Value = 234.13 bar

### PRESSURE CURVE



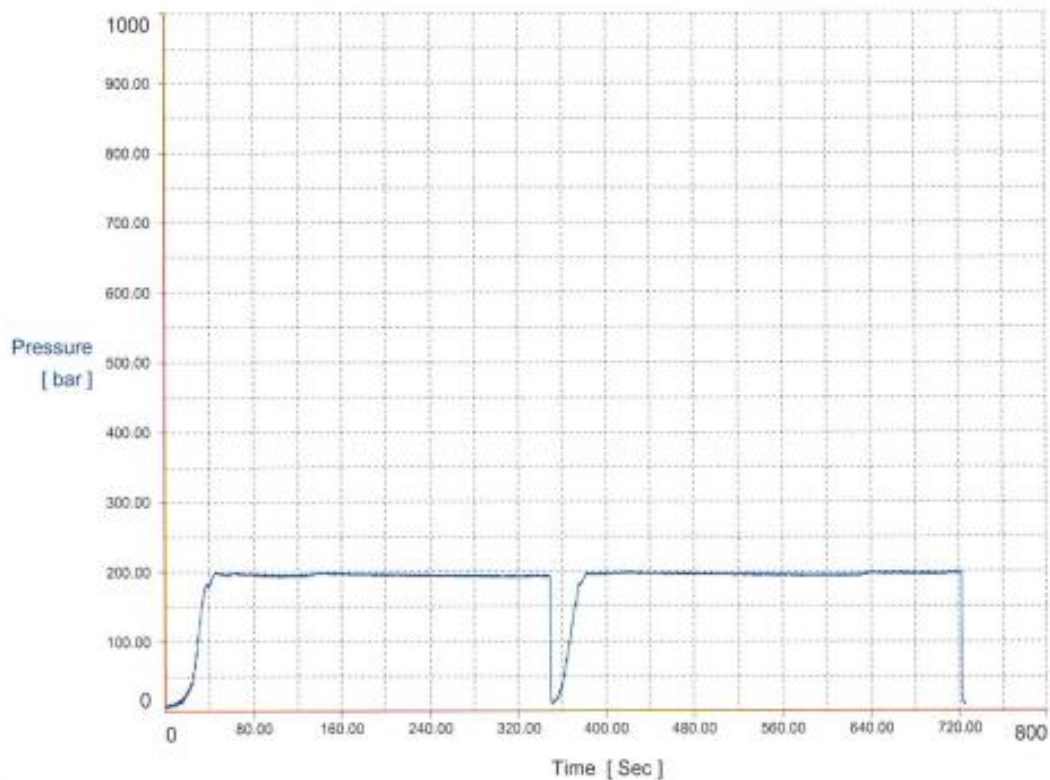


	TEST REPORT	Date: 17/ 10/ 2022	Test N°
		Time: 12.40.26	00002506

Batch N°:		Hose Type:	CFPTF1MB010190.LX
Standard:		Internal Diameter (mm):	
Elongation:	%	Reinforcement Diameter (mm):	
Test Fluid:	ANDEROL PS 46	Outside Diameter:	
Customer:		Nipple:	FDG1212
Working Pressure (bar):		Ferrule:	BPTFEC12
Note 1:	LEAKAGE TEST 196 bar	Crimping Diameter:	26.2
Note 2:		Standard Burst Pressure (bar):	280

Maximum Pressure Value = 199.95 bar

### PRESSURE CURVE



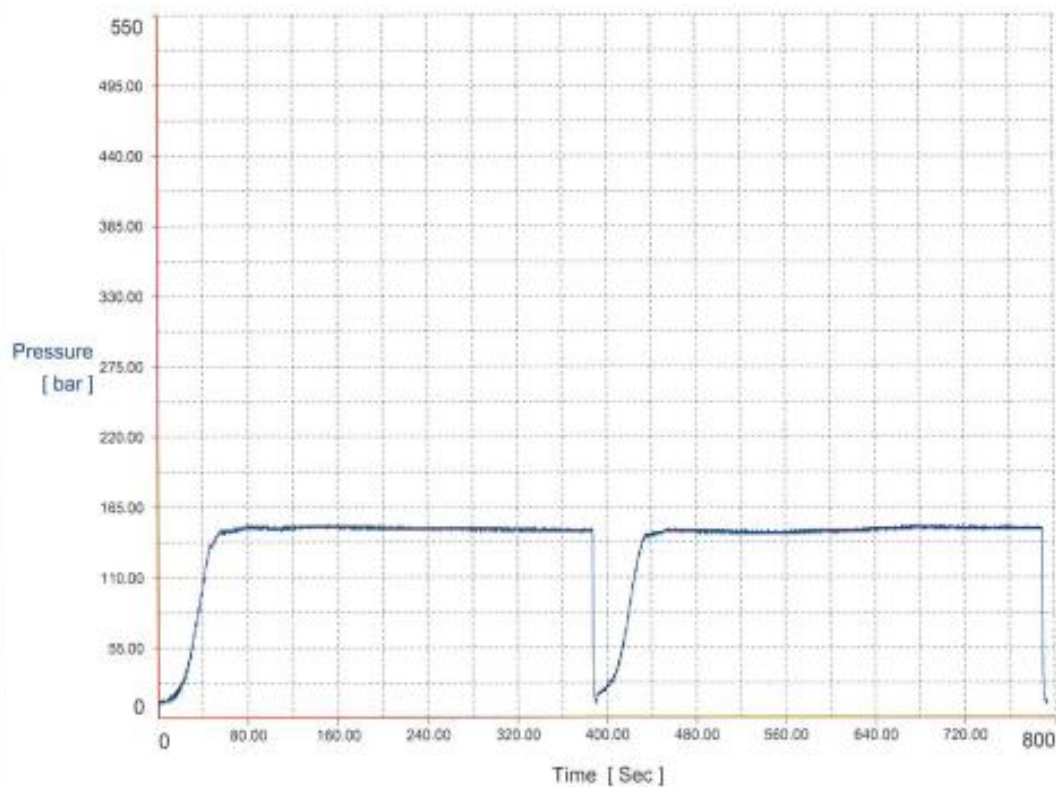


	TEST REPORT	Date: 20/ 10/ 2022	Test N°
		Time: 11.26.29	00002531

Batch N°:		Hose Type:	CFPTF1MB010254.LX
Standard:		Internal Diameter (mm):	
Elongation:		Reinforcement Diameter (mm):	
Test Fluid:	ANDEROL PS 46	Outside Diameter:	
Customer:		Nipple:	FDG1616
Working Pressure (bar):		Ferrule:	BPTFCE16
Note 1:	LEAKAGE TEST- 140 bar	Crimping Diameter:	32.7
Note 2:		Standard Burst Pressure (bar):	200

Maximum Pressure Value = 152.10 bar

### PRESSURE CURVE



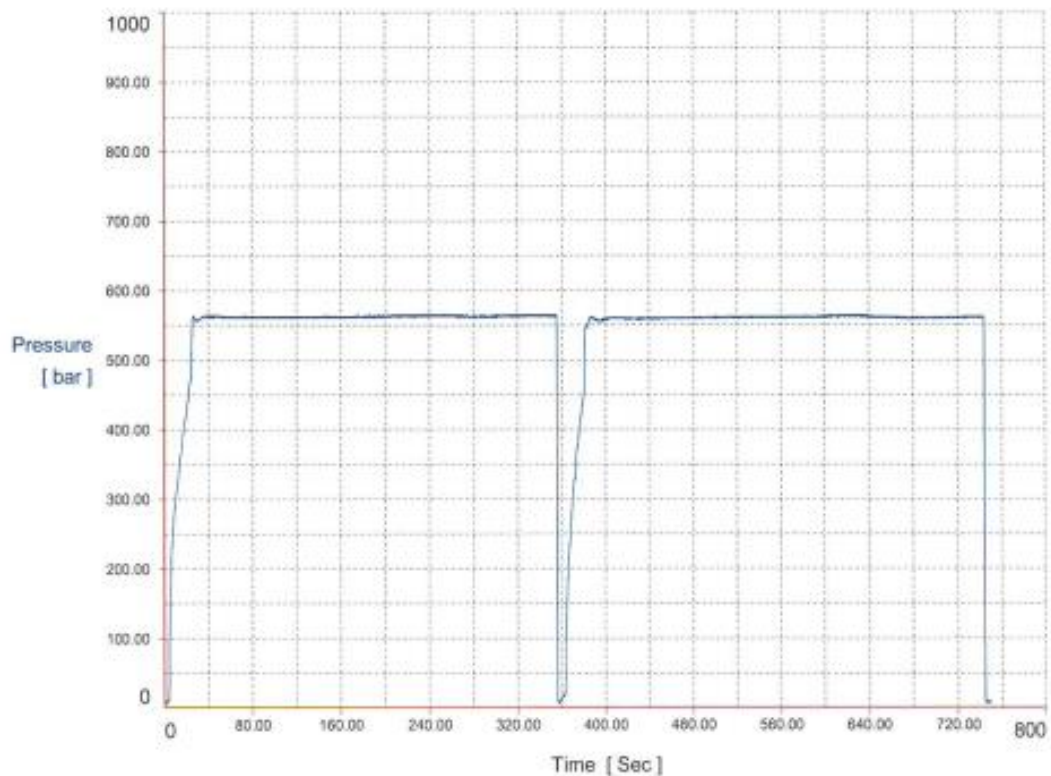


	TEST REPORT	Date: 10/ 10/ 2022	Test N°
		Time: 16.52.15	00002499

Batch N°:		Hose Type:	TFPTF1MB010050.LX
Standard:		Internal Diameter (mm):	
Elongation:	%	Reinforcement Diameter (mm):	
Test Fluid:	ANDEROL PS 46	Outside Diameter:	
Customer:		Nipple:	FDG0304
Working Pressure (bar):		Ferrule:	BPTFE03
Note 1:	LEAKAGE TEST 560 bar	Crimping Diameter:	11
Note 2:		Standard Burst Pressure (bar):	800

Maximum Pressure Value = 565,67 bar

### PRESSURE CURVE



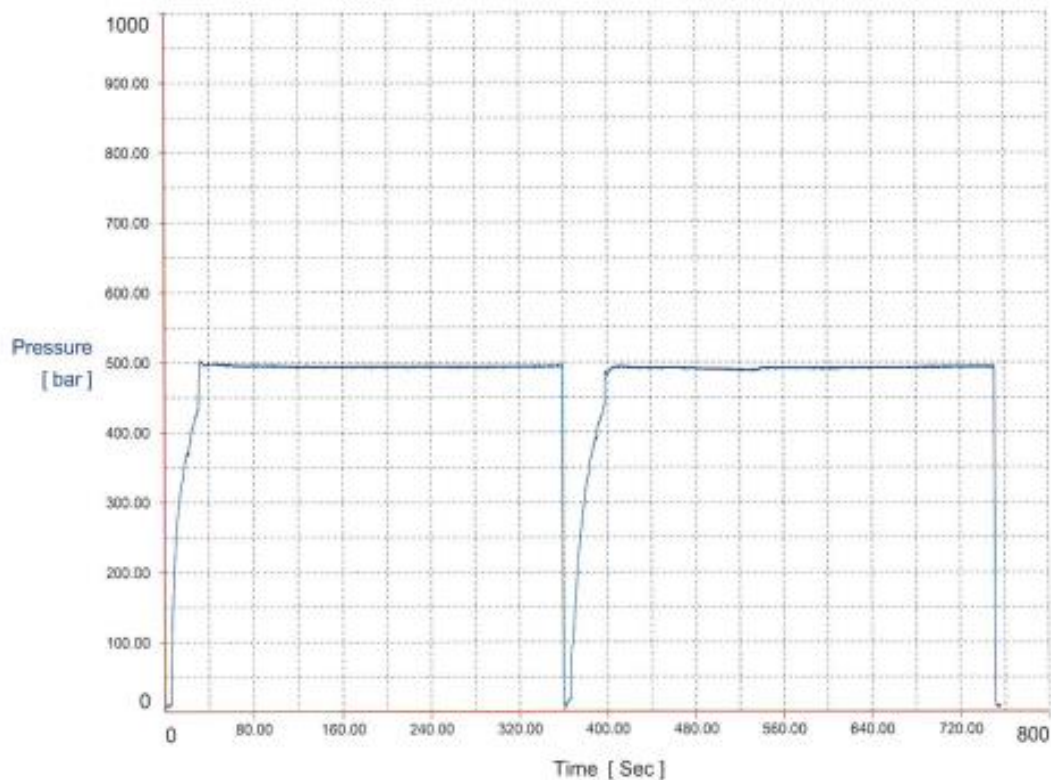


	TEST REPORT	Date: 10/ 10/ 2022	Test N°
		Time: 16.23.33	00002498

Batch N°:		Hose Type:	TFPTF1MB010065.LX
Standard:		Internal Diameter (mm):	
Elongation:	%	Reinforcement Diameter (mm):	
Test Fluid:	ANDEROL PS 46	Outside Diameter:	
Customer:		Nipple:	FDG0404
Working Pressure (bar):		Ferrule:	BPTFE04
Note 1:	LEAKAGE TEST 490 bar	Crimping Diameter:	13.1
Note 2:		Standard Burst Pressure (bar):	700

Maximum Pressure Value = 502.44 bar

### PRESSURE CURVE



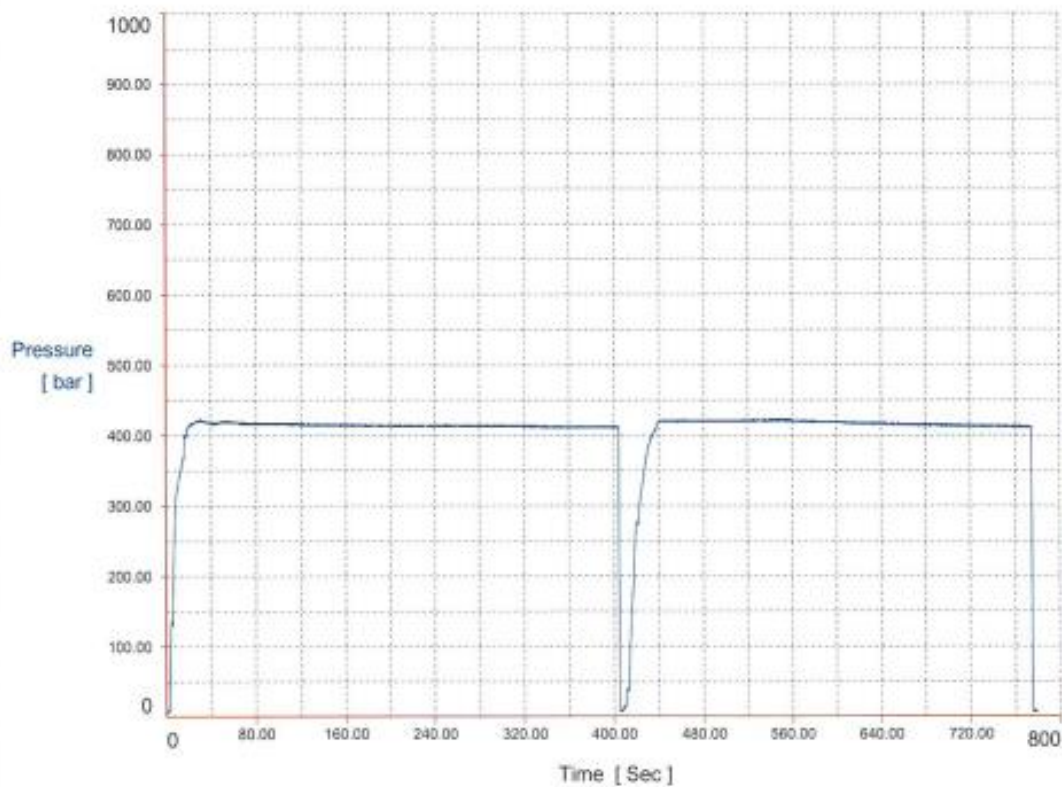


	TEST REPORT	Date:	Test N°
		10/ 10/ 2022	00002494
		Time:	
		12.12.50	

Batch N°:		Hose Type:	TFPTF1MB010080.LX
Standard:		Internal Diameter (mm):	
Elongation:	%	Reinforcement Diameter (mm):	
Test Fluid:	ANDEROL PS 46	Outside Diameter:	
Customer:		Nipple:	FDG0506
Working Pressure (bar):		Ferrule:	BPTFE05
Note 1:	LEAKAGE TEST 420 bar	Crimping Diameter:	14.7
Note 2:		Standard Burst Pressure (bar):	600

Maximum Pressure Value = 422.12 bar

### PRESSURE CURVE





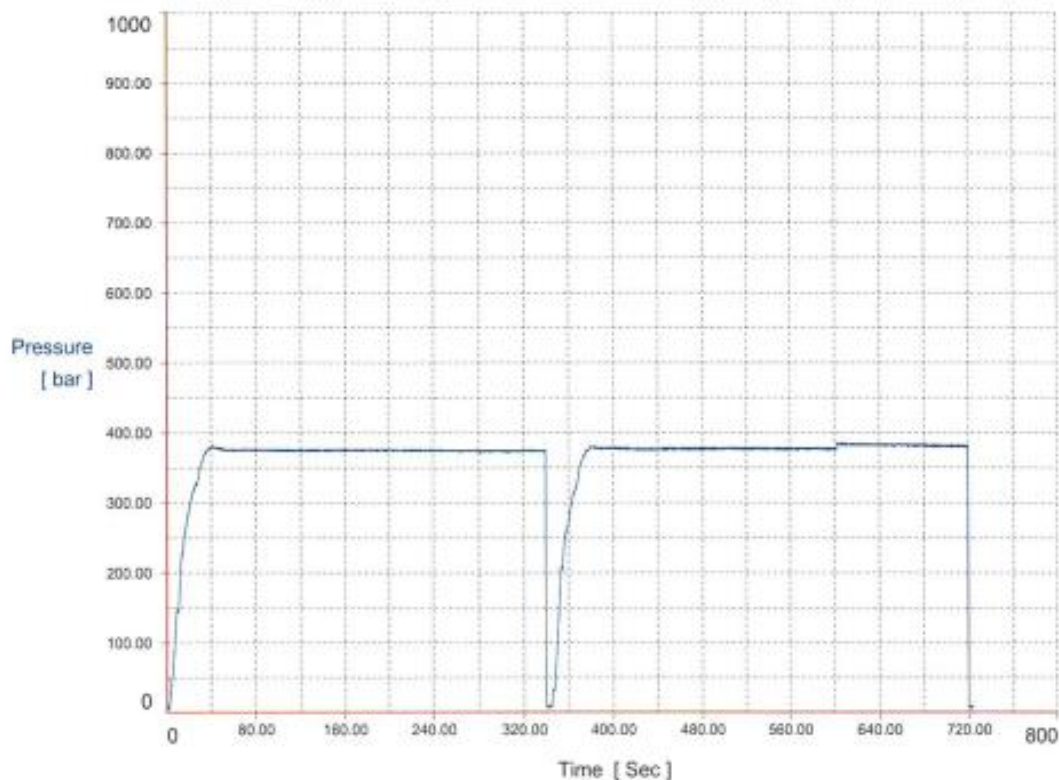
# Vitillo

	TEST REPORT	Date: 10/ 10/ 2022	Test N°
		Time: 11.48.03	00002493

Batch N°:		Hose Type:	TFPTF1MB010095.LX
Standard:		Internal Diameter (mm):	
Elongation:	%	Reinforcement Diameter (mm):	
Test Fluid:	ANDEROL PS 46	Outside Diameter:	
Customer:		Nipple:	FDG0606
Working Pressure (bar):		Ferrule:	BPTFE06
Note 1:	LEAKAGE TEST 378 bar	Crimping Diameter:	16.2
Note 2:		Standard Burst Pressure (bar):	540

Maximum Pressure Value = 384.52 bar

### PRESSURE CURVE



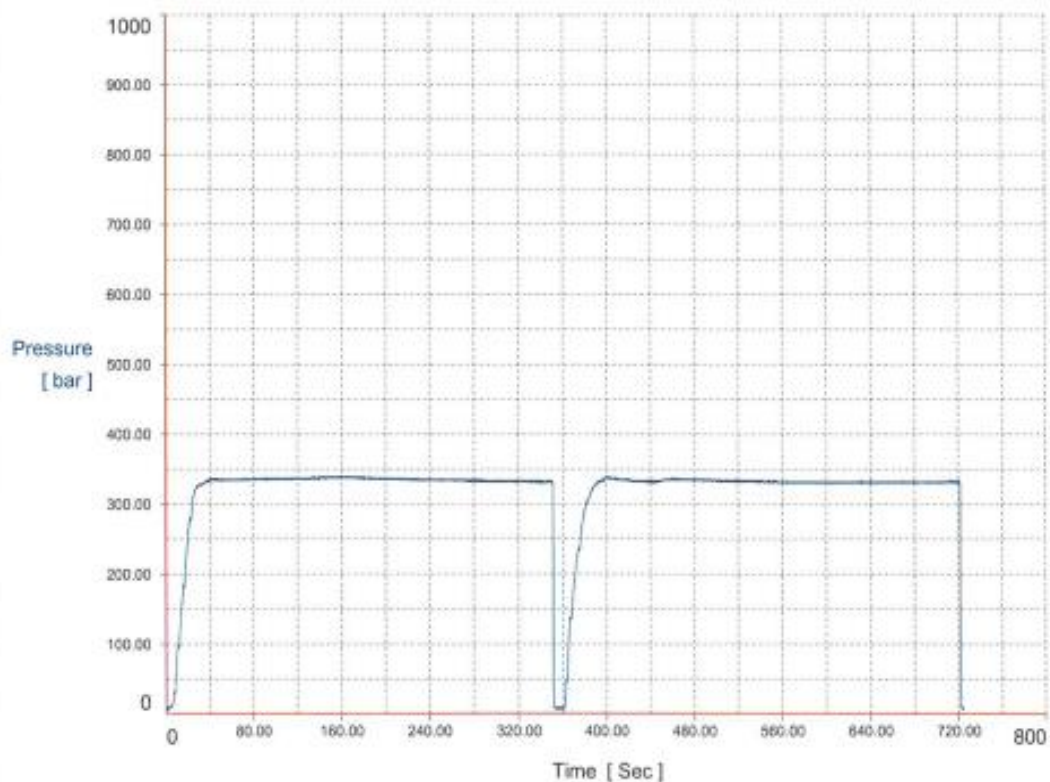


	TEST REPORT	Date: 10/ 10/ 2022	Test N°
		Time: 12.38.18	00002495

Batch N°:		Hose Type:	TFPTF1MB010130.LX
Standard:		Internal Diameter (mm):	
Elongation:	%	Reinforcement Diameter (mm):	
Test Fluid:	ANDEROL PS 46	Outside Diameter:	
Customer:		Nipple:	FDG0808
Working Pressure (bar):		Ferrule:	BPTFE08
Note 1:	LEAKAGE TEST 336 bar	Crimping Diameter:	20.8
Note 2:		Standard Burst Pressure (bar):	480

Maximum Pressure Value = 340.09 bar

### PRESSURE CURVE





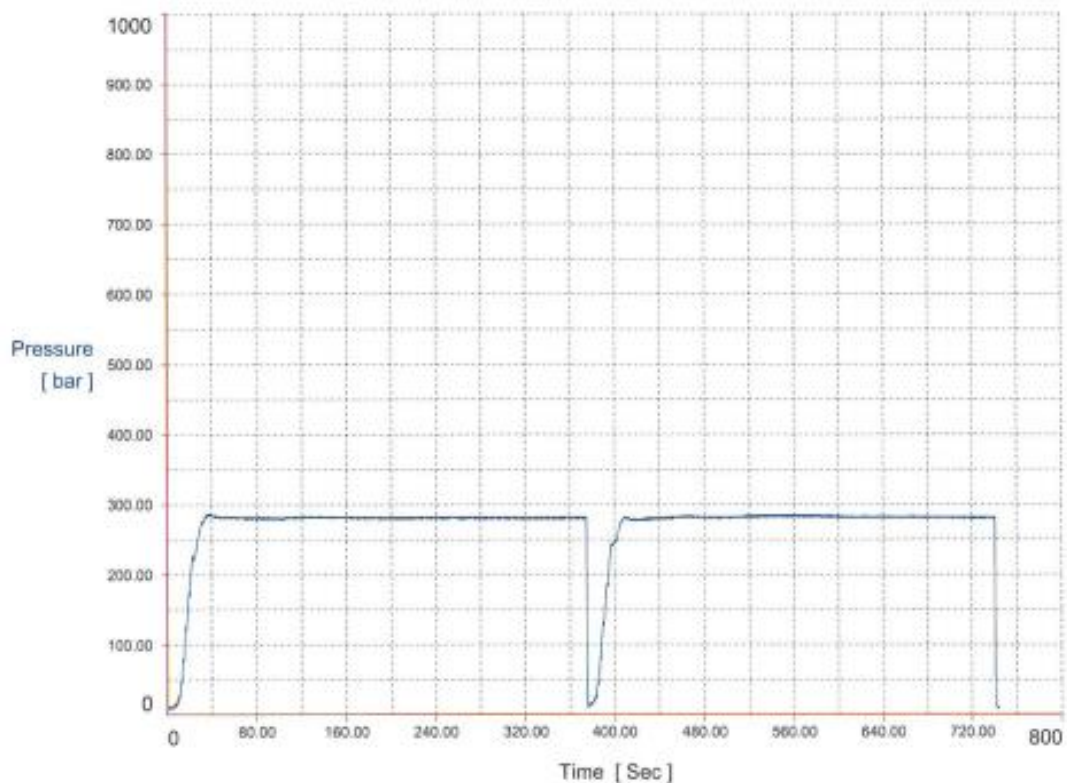


	TEST REPORT	Date: 10/ 10/ 2022	Test N°
		Time: 13.01.02	00002496

Batch N°:		Hose Type:	TFPTF1MB010160.LX
Standard:		Internal Diameter (mm):	
Elongation:	%	Reinforcement Diameter (mm):	
Test Fluid:	ANDEROL PS 46	Outside Diameter:	
Customer:		Nipple:	FDG1012
Working Pressure (bar):		Ferrule:	BPTFE10
Note 1:	LEAKAGE TEST 280 bar	Crimping Diameter:	22.2
Note 2:		Standard Burst Pressure (bar):	400

Maximum Pressure Value = 285.40 bar

### PRESSURE CURVE



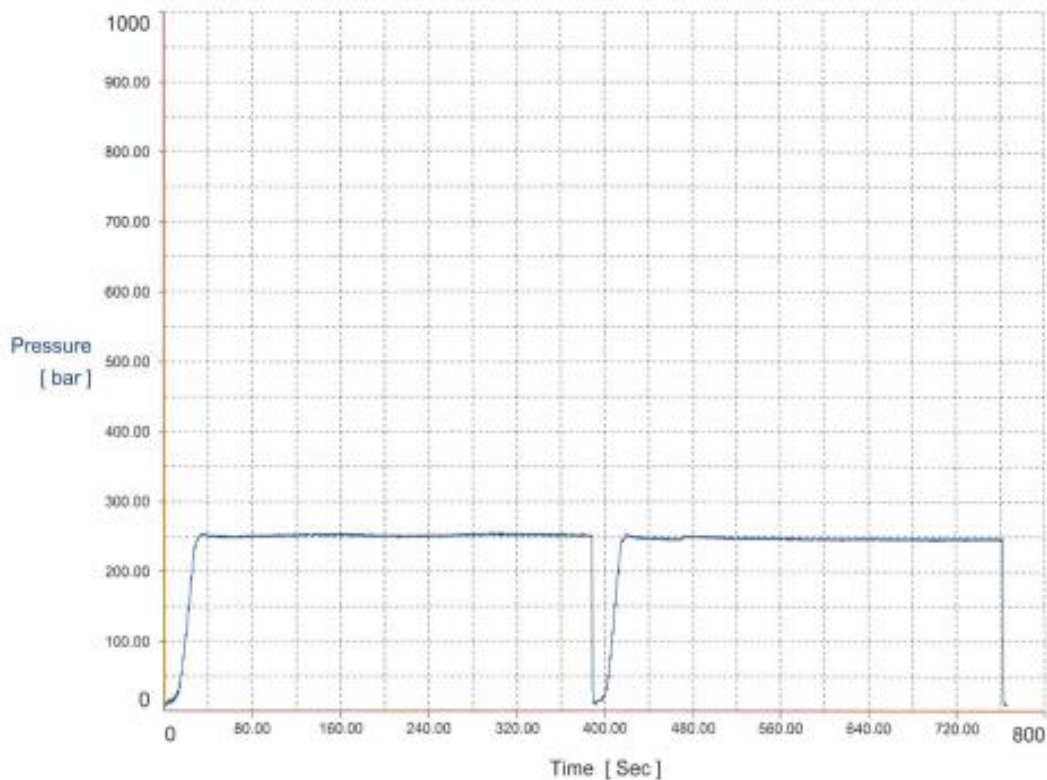


	TEST REPORT	Date: 10/ 10/ 2022	Test N°
		Time: 15.13.29	00002497

Batch N°:		Hose Type:	TFPTF1MB010190.LX
Standard:		Internal Diameter (mm):	
Elongation:	%	Reinforcement Diameter (mm):	
Test Fluid:	ANDEROL PS 46	Outside Diameter:	
Customer:		Nipple:	FDG1212
Working Pressure (bar):		Ferrule:	BPTFE12
Note 1:	LEAKAGE TEST 252 bar	Crimping Diameter:	27.9
Note 2:		Standard Burst Pressure (bar):	360

Maximum Pressure Value = 254.64 bar

PRESSURE CURVE





	TEST REPORT	Date: 14/ 10/ 2022	Test N°
		Time: 17.23.21	00002505

Batch N°:		Hose Type:	TFPTF1MB010254.LX
Standard:		Internal Diameter (mm):	
Elongation:	+0.00%	Reinforcement Diameter (mm):	
Test Fluid:	ANDEROL PS 46	Outside Diameter:	
Customer:		Nipple:	FDG1616
Working Pressure (bar):		Ferrule:	BPTFE16
Note 1:	LEAKAGE TEST 182 bar	Crimping Diameter:	34.4
Note 2:		Standard Burst Pressure (bar):	260

Maximum Pressure Value = 189.70 bar

### PRESSURE CURVE

