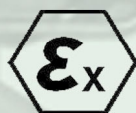


TSA AIR DRIVEN LIQUID TEST PUMPS AND SYSTEM

ALL STAINLESS STEEL



LIQUID TEST PUMPS

ATEX II cat.2 GDC T4



ADVANTAGES

TSA Air driven Test pumps incorporated in the TSA Test System are Piston type pumps. These pumps give a lot of advantages:

- Simply and easy to operate just by using a ballvalve and pressure regulator.
- Intrinsically safe for explosion proof environments, all pumps are certified according The European Explosion Directive Atex II cat 2 G&D T4.
- Proportional control in flow and pressure, over the complete characteristic of the pump.
- Robust and compact
- Portable
- Reliable

PRO air driven test systems are specially designed for liquid pressure testing of pressure vessels, heat exchangers, hoses and valves. The stainless steel pump is built in an stainless steel frame with the tubing and all components.

APPLICATIONS

- Pressure Testing of hoses
- Pressure Testing of tubes and pipelines
- Pressure Testing of pressure vessles/tanks
- Pressure Testing of valves
- Pressure Testing of petrochemical Installations

AIR DRIVEN LIQUID PUMPS

CAB

For the smaller applications where little or no output flow is required the CAB offers a cost effective solution.

Model	Ratio	MWP in bar (MWP psi)	Volume/stroke cc (in3)	CapacityLtr/min (in3/min)	Liquid inlet connection	Liquid outlet connection
CAB-A	1 : 4	26 (380)	28 (1,68)	14 (850)	½" BSP	½" BSP
CAB-B	1 : 12	70 (1010)	10 (0,60)	5 (305)	½" BSP	½" BSP
CAB-C	1 : 26	157 (2280)	4,5 (0,27)	2,4 (146)	½" BSP	½" BSP
CAB-D	1 : 47	275 (3990)	2,5 (0,15)	1,4 (85)	½" BSP	½" BSP
CAB-E	1 : 68	430 (6230)	1,7 (0,10)	0,9 (55)	½" BSP	½" BSP
CAB-F	1 : 107	655 (9500)	1,1 (0,07)	0,6 (36)	½" BSP	½" BSP
CAB-G	1 : 164	982 (14250)	0,7 (0,04)	0,4 (24)	½" BSP	½" BSP

Air connection: 1/4" BSP, Weight 5,5 Kg. Max air consumption: 0,4 Nm³/min.



TS7

For applications where a greater output flow is required and for higher test pressures the TS7 is the pump to choose.

Model	Ratio	MWP in bar (psig)	Volume/stroke cc (in3)	CapacityLtr/min (in3/min)	Liquid inlet connection	Liquid outlet connection
TS7-4	1 : 4	27 (390)	160 (9,72)	37 (2260)	1" BSP	¾" BSP
TS7-9	1 : 9	60 (870)	70 (4,32)	23 (1400)	1" BSP	¾" BSP
TS7-13	1 : 13	90	50 (2,85)	15 (915)	¾" BSP	¾" BSP
TS7-19	1 : 19	275 (3990)	34 (2,04)	11 (670)	¾" BSP	½" BSP
TS7-28	1 : 28	430 (6230)	23 (1,37)	7,3 (455)	¾" BSP	½" BSP
TS7-36	1 : 36	240 (3480)	18 (1,08)	5,8 (354)	¾" BSP	½" BSP
TS7-54	1 : 54	370 (5360)	12 (0,71)	3,8 (230)	½" BSP	½" BSP
TS7-76	1 : 76	520 (7540)	8 (0,51)	2,8 (170)	½" BSP	½" BSP
TS7-113	1 : 113	770 (11160)	6 (0,34)	1,8 (110)	½" BSP	½" BSP
TS7-145	1 : 145	980 (14210)	4 (0,27)	1,5 (91)	½" BSP	½" BSP
TS7-256	1 : 256	1740 (25230)	2,5 (0,15)	0,84 (51)	½" BSP	3/8" HP
TS7-368	1 : 368	2410 (35000)	1,7 (0,104)	0,58 (35)	½" BSP	3/8" HP

Air connection: 1/2" BSP, PWeight 8 Kg. Max air consumption: 1 Nm³/min.

AIR DRIVEN LIQUID SYSTEM PRO-CAB

PRO-CAB

Model	Ratio	MWP in bar (psig)	Volume/stroke cc (in3)	Capacity Ltr/min (in3/min)	Liquid inlet connection	Liquid outlet connection
PRO-CAB-A	1 : 4	26 (380)	28 (1,68)	14 (850)	½" BSP	½" NPT
PRO-CAB-B	1 : 11,9	70 (1010)	10 (0,60)	5 (305)	½" BSP	½" NPT
PRO-CAB-C	1 : 22	157 (2280)	4,5 (0,27)	2,4 (146)	½" BSP	½" NPT
PRO-CAB-D	1 : 39	275 (3990)	2,5 (0,15)	1,4 (85)	½" BSP	½" NPT
PRO-CAB-E	1 : 61	430 (6230)	1,7 (0,10)	0,9 (55)	½" BSP	½" NPT
PRO-CAB-F	1 : 93	655 (9500)	1,1 (0,07)	0,6 (36)	½" BSP	½" NPT
PRO-CAB-G	1 : 141	982 (14250)	0,4 (0,044)	0,4 (24)	½" BSP	½" NPT

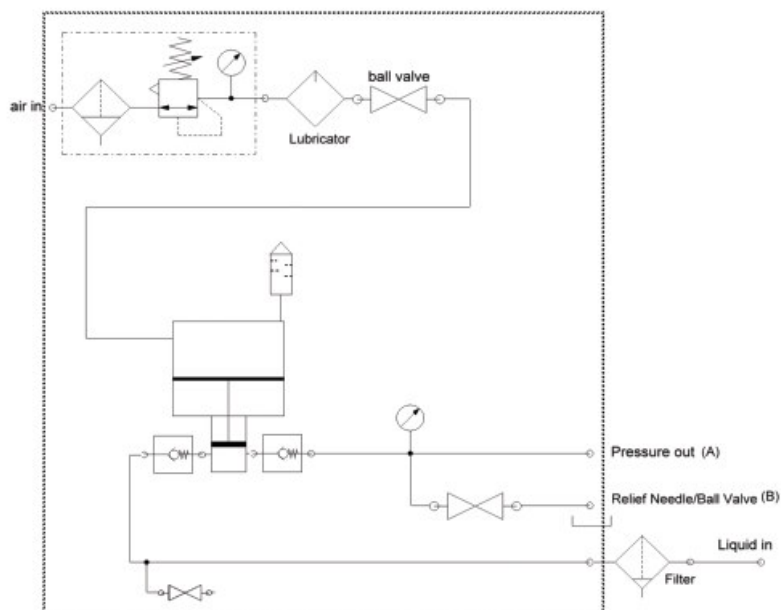
Air connection: 1/4" BSP

SIZE IN mm

Length	Width	Height	Weight Kg.
400	240	300	15



SCHEMATIC PLAN



ARI DRIVEN LIQUID SYSTEM PRO-TS7

PRO-TS7

Model	Ratio	MWP in bar (psi)	Volume/stroke cc (in3)	CapacityLtr/min (in3/min)	Liquid inlet connection	Liquid outlet connection
PRO-TS7-4	1 : 4	26 (371)	160 (9,72)	37 (2260)	1" BSP	½"NPT
PRO-TS7-9	1 : 9	70 (1010)	70 (4,32)	23 (1400)	1" BSP	½"NPT
PRO-TS7-13	1 : 13	157 (2280)	50 (2,85)	15 (915)	¾" BSP	½"NPT
PRO-TS7-19	1 : 19	275 (3990)	34 (2,04)	11 (670)	¾" BSP	½"NPT
PRO-TS7-28	1 : 28	430 (6230)	23 (1,37)	7,3 (455)	¾" BSP	½"NPT
PRO-TS7-36	1 : 36	240 (3480)	18 (1,08)	5,8 (354)	¾" BSP	½"NPT
PRO-TS7-54	1 : 54	370 (5360)	12 (0,71)	3,8 (230)	½" BSP	½"NPT
PRO-TS7-76	1 : 76	520 (7540)	8 (0,51)	2,8 (170)	½" BSP	½"NPT
PRO-TS7-113	1 : 113	770 (11160)	6 (0,34)	1,8 (110)	½" BSP	½"NPT
PRO-TS7-145	1 : 145	980 (14210)	4 (0,27)	1,5 (91)	½" BSP	½"NPT
PRO-TS7-256	1 : 256	1740 (25230)	2,5 (0,15)	0,84 (51)	½" BSP	M16X1,5
PRO-TS7-368	1 : 368	2410 (35000)	1,7 (0,104)	0,58 (35)	½" BSP	M16X1,5

Air connection:1/2" BSP

SIZE IN mm

Length	Width	Height	Weight Kg.
500	300	370	23

