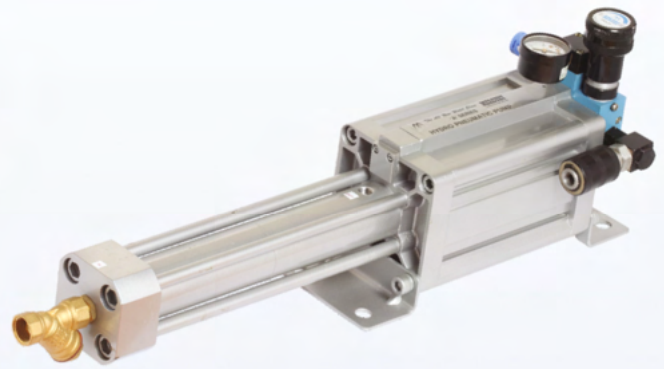


# Hydro Pneumatic Pumps

The efficient, economical alternative to centrifugal, vane, piston & plunger pumps and hand operated pumps



**"A" Series Single Head Pumps**



**"A" Series Dual Flow Pumps**

## Typical Applications :

- Hydro static Pressure Testing
- Cyclic Pressure Testing
- Burst Strength Testing
- Operation of Hydraulic Jacks, Clamps & Presses
- Portable Systems for Construction, Mining & Defence Equipments
- Overload Protection of Mechanical Presses, Shears etc

## Mercury Pneumatics Pvt. Ltd.

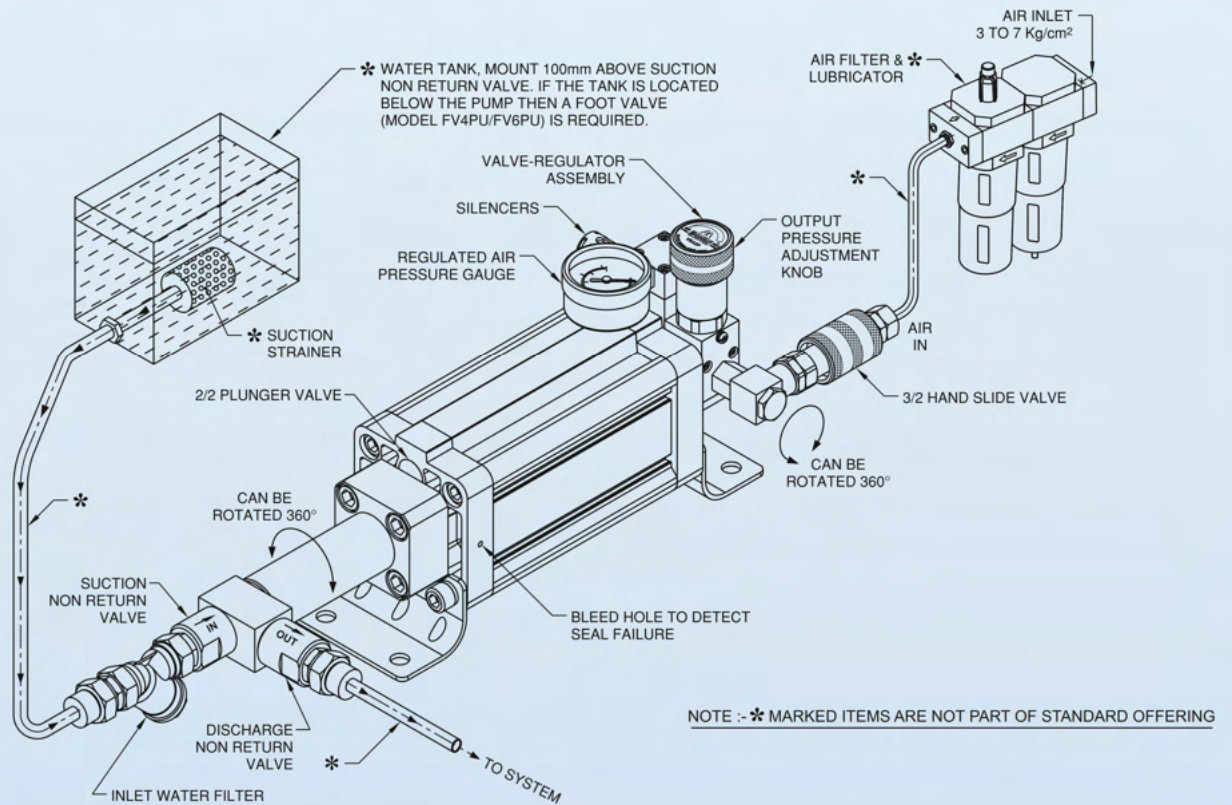
C-105, Ansa Industrial Estate, Saki Vihar Rd, Andheri (E),  
Mumbai - 400072. India. Phone: +91-22-40151020  
E-mail: [contactus@mercuryindia.net](mailto:contactus@mercuryindia.net) Website: [www.mercuryindia.net](http://www.mercuryindia.net)

**MERCURY** Hydro Pneumatic Pumps are products of extensive development efforts. These rugged pumps are efficient, low cost alternatives to motorised and hand operated pumps.

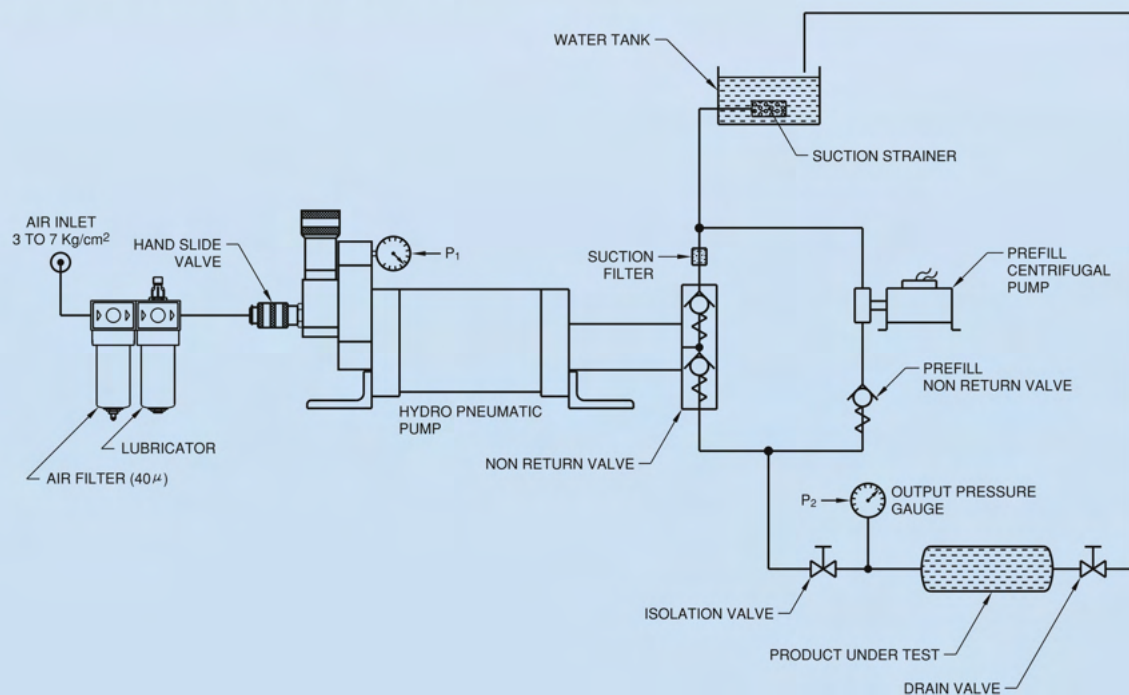
### Salient Features :

- Compact and lightweight. Can be mounted in any orientation.
- Low air consumption when used in conjunction with a high volume, low pressure prefill pump.
- Automatically compensates for leakages to maintain constant pressure.
- Ideally suited for operation in explosive environments.
- Large variety of models to cover varied applications.
- Simple construction for easy servicing.

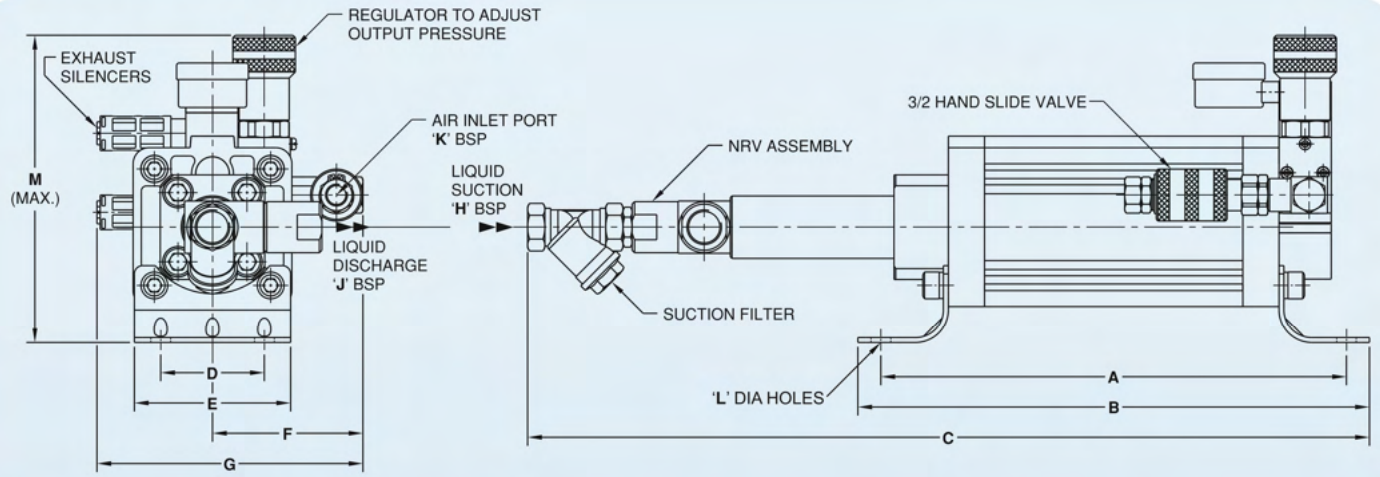
### General Layout of Pump Installation



### Typical Pressure Testing Circuit



# Technical Specification



## "A" Series Single Head Pumps

MODEL No.	RATIO	OUTPUT PRESSURE AT 5Kg/cm <sup>2</sup>	A	B	C	D	E	F	G	H BSP	J BSP	K BSP	Ø L	M
A80-10	64	320	283	311	430	63	95	81.50	165	1/2"	1/2"	1/4"	12	201
A80-14	32	160	283	311	530	63	95	81.50	165	1/2"	1/2"	1/4"	12	201
A80-16	25	125	283	311	530	63	95	81.50	165	1/2"	1/2"	1/4"	12	201
A80-20	16	80	283	311	530	63	95	81.50	165	1/2"	1/2"	1/4"	12	201
A80-28	8	40	283	311	530	63	95	81.50	165	1/2"	1/2"	1/4"	12	201
A80-32	6.25	31	283	311	530	63	95	81.50	165	1/2"	1/2"	1/4"	12	201
A100-5	400	2000	273	305	411	75	114	81.50	165	1/2"	9/16"UNF	1/4"	14	201
A100-10	100	500	283	311	430	75	114	81.50	165	1/2"	1/2"	1/4"	12	201
A100-14	51	255	283	311	530	75	114	81.50	165	1/2"	1/2"	1/4"	12	201
A100-16	39	195	283	311	530	75	114	81.50	165	1/2"	1/2"	1/4"	12	201
A100-20	25	125	283	311	530	75	114	81.50	165	1/2"	1/2"	1/4"	12	201
A100-28	12.75	64	283	311	530	75	114	81.50	165	1/2"	1/2"	1/4"	12	201
A100-32	9.75	49	283	311	530	75	114	81.50	165	1/2"	1/2"	1/4"	12	201
A100-40	6.25	31	301	329	548	75	114	81.50	165	3/4"	3/4"	1/4"	12	201
A100-56	3	15	301	329	548	75	114	81.50	165	3/4"	3/4"	1/4"	12	201
A160-14	130	650	336	386	482	115	180	169	216	3/4"	1/2"	1/2"	18	259
A160-16	100	500	336	386	482	115	180	169	216	3/4"	1/2"	1/2"	18	259
A160-20	64	320	336	386	482	115	180	169	216	3/4"	1/2"	1/2"	18	259
A160-28	32	160	336	386	572	115	180	169	216	3/4"	1/2"	1/2"	18	259
A160-32	25	125	336	386	572	115	180	169	216	3/4"	1/2"	1/2"	18	259
A160-40	16	80	336	386	482	115	180	169	216	3/4"	3/4"	1/2"	18	259
A160-56	8	40	336	386	482	115	180	169	216	3/4"	3/4"	1/2"	18	259
A160-80	4	20	336	386	482	115	180	169	216	3/4"	3/4"	1/2"	18	259
A160-14-2	260	1300	511.5	561.5	660	115	185	76	280	1/2"	1/2"	1/2"	18	365
A160-20-2	128	640	511.5	561.5	660	115	185	76	280	1/2"	1/2"	1/2"	18	365

## "A" Series Dual Flow Pumps

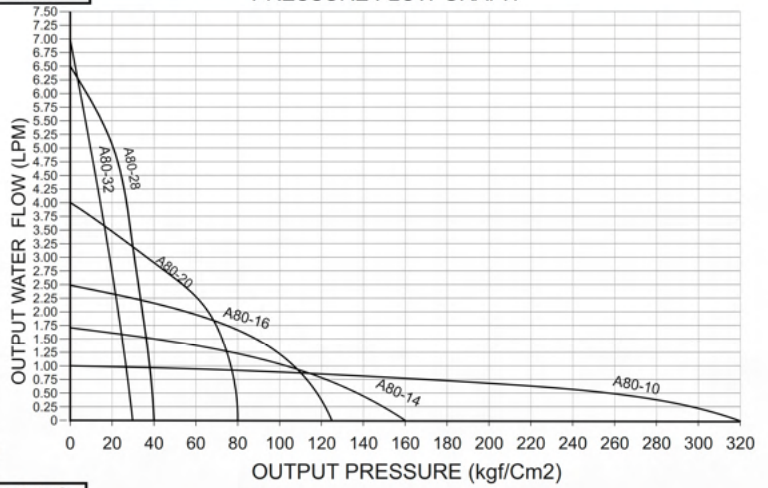
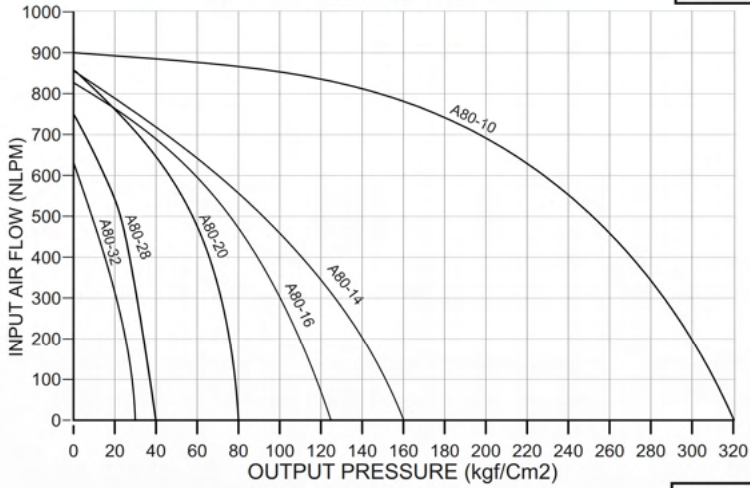
MODEL No.	RATIO	OUTPUT PRESSURE AT 5Kg/cm <sup>2</sup>	A	B	C	D	E	F	G	H BSP	J BSP	K BSP	Ø L	M
A100-14-2F	51	255	283	311	683	75	114	-	165	1/2"	1/2"	1/4"	14	201
A100-20-2F	25	125	283	311	636	75	114	-	165	1/2"	1/2"	1/4"	14	201
A100-28-2F	12	60	283	311	638	75	114	-	165	1/2"	1/2"	1/4"	14	201
A160-20-2F	64	320	335	385	681	115	180	-	216	1/2"	1/2"	1/2"	18	259
A160-40-2F	16	80	335	385	691	115	180	-	216	3/4"	1/2"	1/2"	18	259
A160-56-2F	8	40	335	385	666	115	180	-	216	3/4"	1/2"	1/2"	18	259

# AIR & WATER FLOW GRAPHS

INPUT AIR CONSUMPTION GRAPH

**A80 PUMPS**

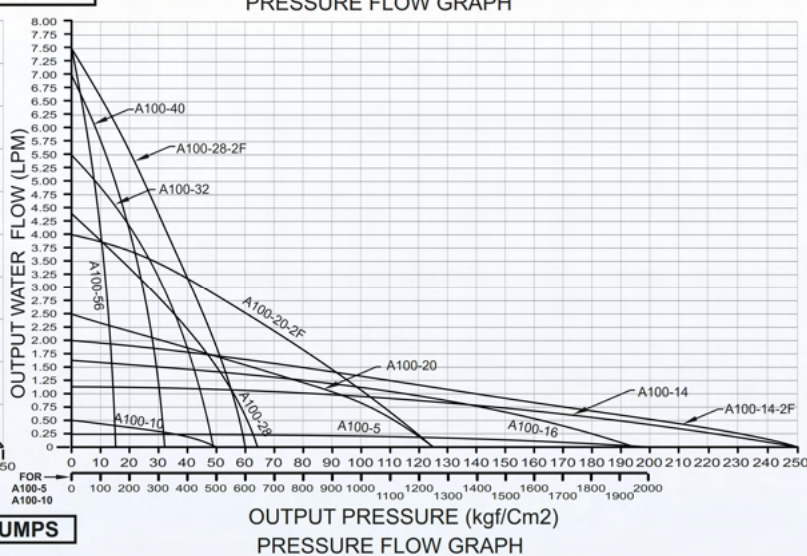
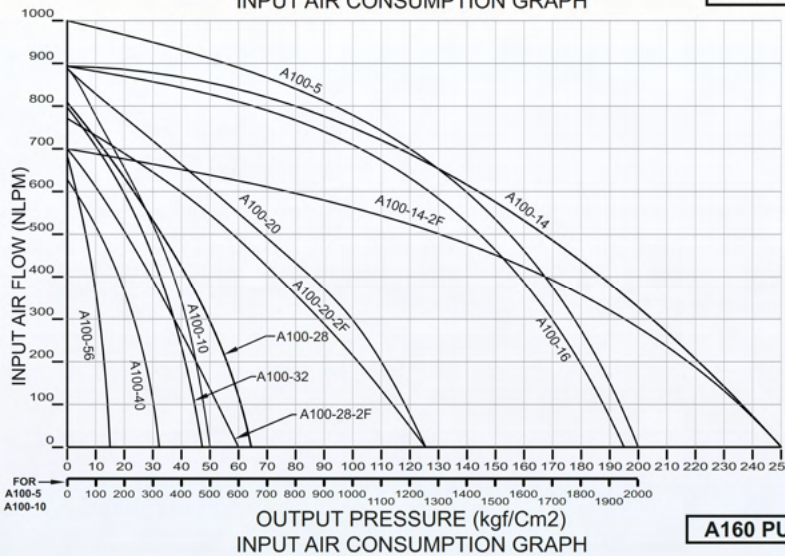
PRESSURE FLOW GRAPH



INPUT AIR CONSUMPTION GRAPH

**A100 PUMPS**

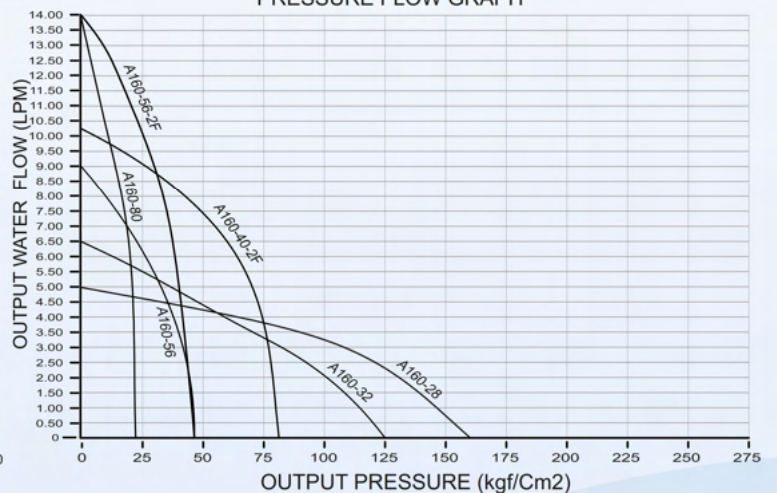
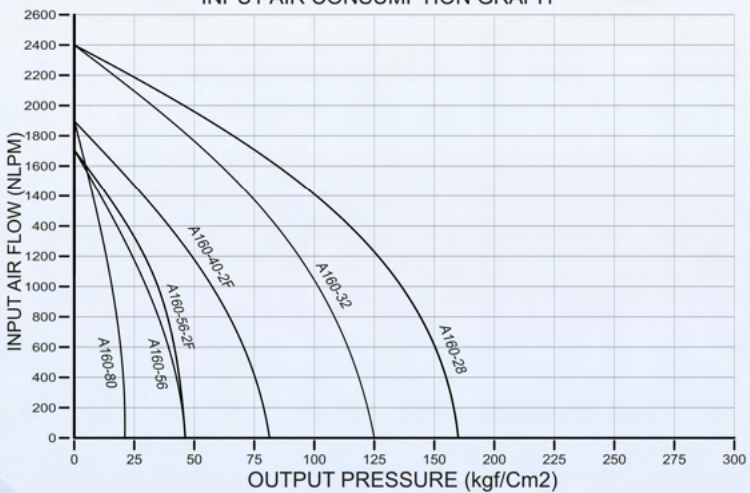
PRESSURE FLOW GRAPH



INPUT AIR CONSUMPTION GRAPH

**A160 PUMPS**

PRESSURE FLOW GRAPH



INPUT AIR CONSUMPTION GRAPH

PRESSURE FLOW GRAPH

