

AIR-PLUS

Inflatable Seat Valve

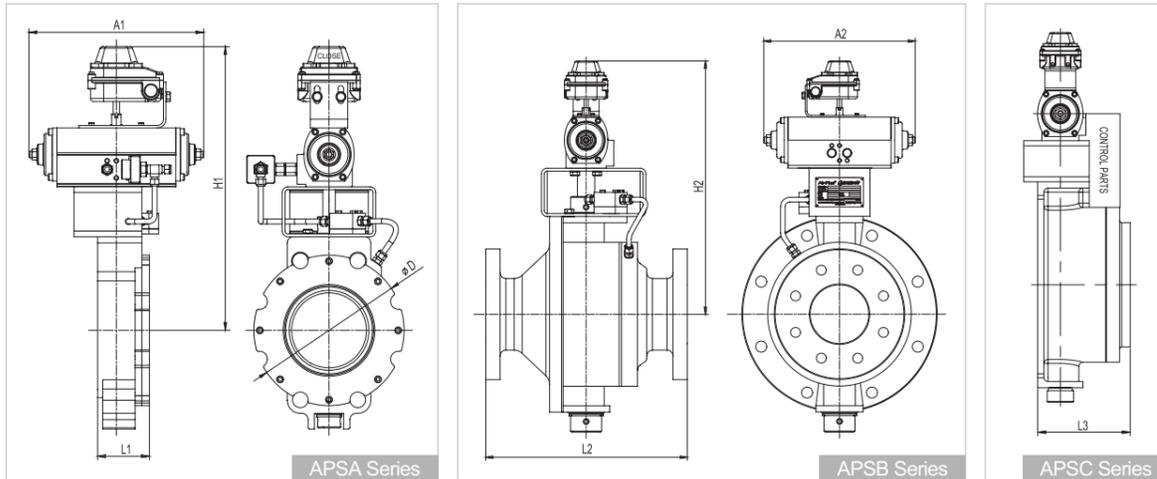
PRODUCT & SALES ITEMS

- AIR-PLUS Valves
- On/Off Valves
- Pneumatic Actuators
- Limit Switches
- Transmitters
- Control Valves
- High Performance Butterfly Valves

Air-Plus®

NEW GENERATION | Inflatable Seat Valve

DIMENSIONS

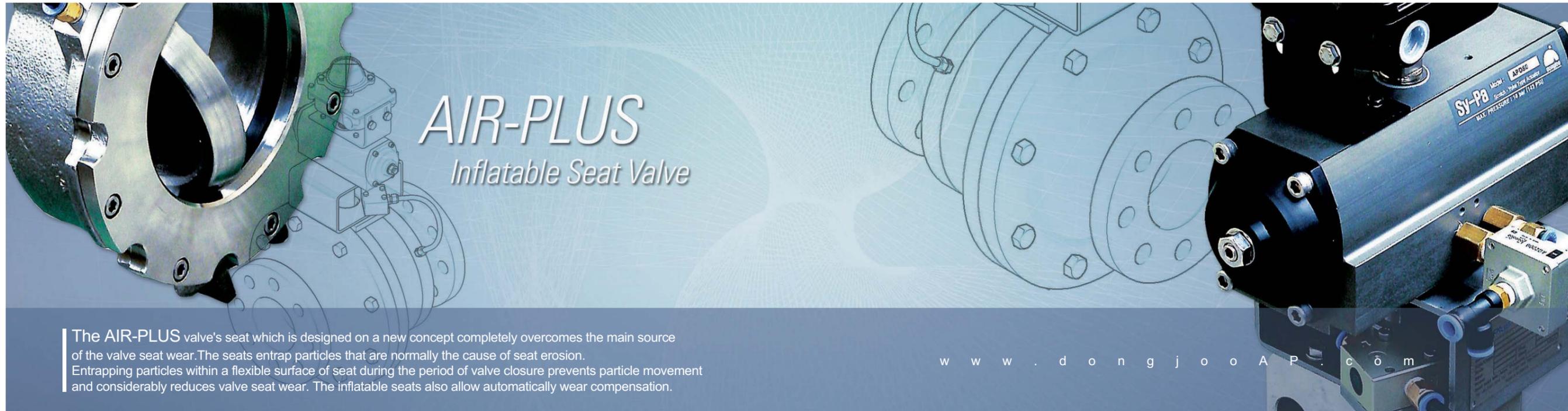


Symbol	inch	2	3	4	6	8	10	12	14	16	18	20	24	32	40
	mm	5	80	100	150	200	250	300	350	400	450	500	600	800	1000
H1	*	*	382	455	506	560	585	650	699	763	828	927	*	*	*
L1	*	*	73.6	83	97	102	108	115.2	123.3	133.5	15.3	164.8	*	*	*
D	*	*	175	240	290	355	400	445	483	538	593	697	*	*	*
A1	*	*	244	282	282	366	366	450	450	450	828	828	*	*	*
H2	408	457	483	530	613	682	787	812	865	*	*	*	*	*	*
L2	212	270	317	422	477	521	565	667	814	*	*	*	*	*	*
A2	244	280	280	280	366	450	735	735	828	*	*	*	*	*	*
L3	107	129.5	146	189	225	263.5	295	321	373	*	*	*	*	*	*

※Dimensions, feature, specification, can be changed for the improvement of its performance. The *indication is special order size.



Series
APSA
APSB
APSC



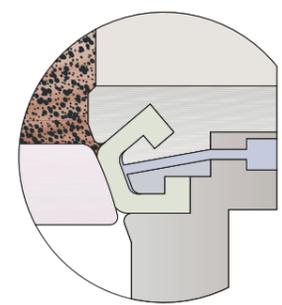
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Inflatable Seat Valve

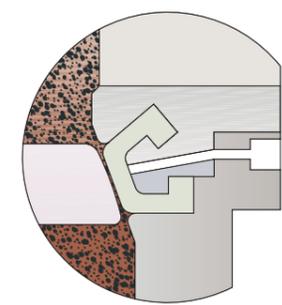
The AIR-PLUS valve's seat which is designed on a new concept completely overcomes the main source of the valve seat wear. The seats entrap particles that are normally the cause of seat erosion. Entrapping particles within a flexible surface of seat during the period of valve closure prevents particle movement and considerably reduces valve seat wear. The inflatable seats also allow automatically wear compensation.

w w w . d o n g j o o A P . c o m

PRINCIPLE OF OPERATION



The seat deflates during open and close, therefore avoiding contact with the plug and eliminating wear.



The seat inflates only when the plug is closed. Providing more sealing surface and an even pressure distribution against the disc.

PERFORMANCE FEATURES

- Longer valve life
- Minimal seat wear
- Ultra-low torque requirements
- Lower actuator costs
- More seal contact area
- Proven excellent for abrasive and dry solids
- Shaft wiper seals



SEAT ELASTOMER OPTIONS

Symbol	Nomenclature	Common Name	Generally Applied To
NBR	Nitrile-Butadiene Rubber	Buna-N / Nitrile	Ozone Ketones, Esters, Aldehydes, Luboil, Nitro Hydrocarbons
EPDM	Ethylene Propylene -Dien Monomer	Nordel / Royalene	Mineral Oils, Solvents, Aromatic Hydrocarbons
SI	Dimethyl Polysiloxane	Silicone Rubber	Sodium Hydroxide, Oils, Concentrated Acids, Solvents
FKM FPM	Fluorocarbon Elastomer	Viton / Flourel	Solvents, Ketones, Nitro Containing, Compounds, CH Products Chemicals

MATERIALS HANDLED

Powers, Granules, Chemicals, Minerals, Cohesive, Abrasive, Hazardous, Toxic, Friable, Detergents

COMPONENTS OF AIR-PLUS

