

## General

The pneumatic actuated valves are grouped in this part of catalogue because they have similar operating conditions of the solenoid valves. In fact the commutation signal is remote as it is for the manual and mechanical actuated valves.

In the first part of these catalogues are listed the pneumatic actuated valves for single use not suitable to be assembled on bases but eventually on manifold with one inlet port only.

The valves series 800 are suitable for both single and ganged applications. These valves have a diversified use of 3-ways and 5-ways based on balanced spool as shown on functional symbols. The repositions are made by spring, differential pneumatic spring or pneumatic fot the bistable and centre spring return.

## **Construction characteristics**

	Body	Actuators	Bottom plates	Pistons	Spacers	Seals	Spools	Springs
Series 104	Technopolymer		/	- Aluminium	Technopolymer	NBR	Steel	Stainless steel
Series 105	Aluminium		/					Spring steel
Series 805		A I	ninium	Aluminium	/	HNBR	Aluminium	Stainless steel
Series 808		Ajum	iinium					Spring steel
Series 228	Aluminium Technopolymer Technopolymer				NBR	Steel	Spring steel	
<b>Series T228</b> (Ver. 3/2-5/2)	- Technopolymer					NBR	Technopolymer	- Spring steel
<b>Series T228</b> (Ver.5/3)							Steel	
Series 488	Aluminium Technopolymer					NBR	Steel	
<b>Series T488</b> (Ver. 3/2- 5/2)						NBR	Technopolymer	Stainless steel
Series T488 (Ver. 5/3)	Technopolymer						Steel	
Series 224	Alu	ıminium	Technopolymer	Aluminium	Technopolymer	NBR	Steel	Spring steel
Series T224 (Ver. 3/2-5/2)	Technopolymer					NBR	Technopolymer	Spring steel
Series T224 (Ver. 5/3)							Steel	Stainless steel
Series 212	Aluminium Technopolymer /					NBR	Steel	Spring steel
Series 212/2						PUR	Aluminium	
Series 211	Aluminium					NBR	Steel	

## Use and maintenance

These valves have an average life of 15 million cycles depending on the application and air quality, filtered and lubricated air using specified lubricants will dramatically reduce the wear of the seals and ensures long and trouble free operation.

Please ensure that the valve is being used according with the manufacturers specification, such as air pressure and temperature and that exhaust ports 3 & 5 are protected against the possible ingress of dirt or debris.

Repair kits including the spool complete with seals are available for overhauling the valves; however, although this is a simple operation it should be carried out by a competent person.

ATTENTION: use hydraulic oil class H for lubrication such as MAGNA GC 32 (Castrol).







