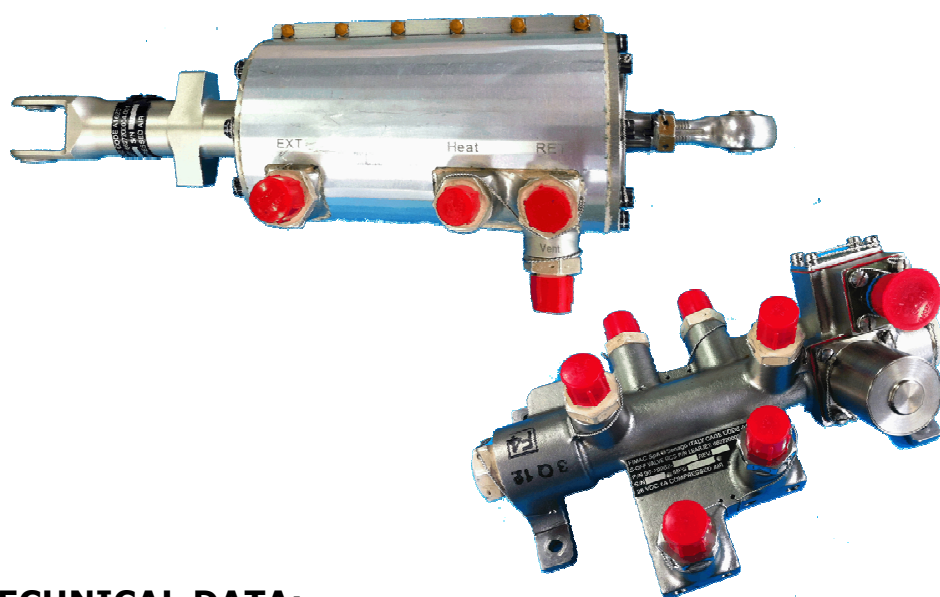


## Rudder Bias Actuation System

The Rudder Bias Actuator is a pneumatic actuator installed on the rudder control system of a business jet plane. In the event of an engine failure, the rudder bias actuators provide additional yaw control power to alleviate pilot effort. Each actuator is balanced at its neutral position using low pressure bleed air from each engine regulated by spool and sleeve valves.

**Hydraulic &  
Pneumatic  
Equipment**



### TECHNICAL DATA:

Operating Temperature:	-55°C +85°C
Operating Fluid:	Engines Air (149°C)
Operating High Pressure :	300 psi (20.7 bar)
Operating Low Pressure :	65 psi (4.7 bar)
Unit Weight:	4.0 kg
Stroke:	88 mm
Piston Load (Extension):	900 N
Piston speed:	0.05 m/sec
Operating Voltage:	28 Vdc
Employed On:	Learjet LJ85



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