



Bharat Heavy Electricals Ltd
Boiler Auxiliaries Plant
 Ranipet-632 406

**EDC/GATES &
 DAMPERS**

**TECHNICAL
 SPECIFICATION**

**SPECIFICATION
 NO:GDQS:034**

REV NO:00

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01	Item	Air Lock Relay – Single acting		Vendor Acceptance / Comments
02	Application	To lock off the pneumatic cylinder when air supply pressure falls below the set pressure		
03	Scope of supply	Single acting air lock off relay (Adjustable type)		
04	Valve Main ports size	1 inch NPT-Female (Suitable to connect 1" NPT male)		
05	Single port size	½ inch NPT-female(suitable to connect ½" NPT male)		
06	Adapter	If Vendor is offering BSP/Other-type ports then vendor has to provide with 1 inch NPT adapters for all inlet and outlet ports. (vendor scope)		
07	Flow medium	Compressed Instrument air at 7 bar pressure		
08	Operating Temperature	80 degree Celsius maximum		
09	Set pressure	2 to 3 bar with sensitivity 0.5 bar (vendor to specify range and sensitivity)		
10	Method of setting	Set screw and lock nut method		
11	Flow capacity (kv rating)	Minimum 175 LPM of water when pressure drop across the valve is 1kg/cm2 Vendor to specify kv rating offered		
12	Material	Body -	Aluminium	
		Diaphragm -	Nylon impregnated neoprene or better material	
		Valve spring -	Stainless steel	
		O ring -	Viton	
		Adapter (suitable for 1"NPT male) -	vendor to specify the material	
13	Testing	Routine test as per Vendor Quality plan		
		Vendor shall submit type test certificate of flow capacity (kv) for the first Purchase order execution to BHEL		
14	Inspection	By BHEL/ or it's authorized agency		
15	General	One set of catalogues and O&M instructions to be submitted along with offer		
		GA drawing with sectional view to be submitted after Purchase order and before manufacturing		
		All Test certificate to be furnished along with material .		

00	18-01-16	Fresh	Sd/-	Sd/-
			M.Suresh	V.Kesavan
REV	DATE	DESCRIPTION	PREPARED	APPROVED