

Customer:	
Customer Ref #:	
Customer P/N:	

Sizing Units:	US
Tag Units:	US

FLUID PROPERTIES

Fluid State	Air/Gas		Molecular Weight (M)	39.95	lbm/lbm-mol
Name	Argon		Cp/Cv (k)	1.67	
Required Capacity	4000	SCFM	Gas Constant (C)	377.64	
Certification	ASME Section VIII		Compressibility(Z)	1.00	
Set Pressure	225	psig	Lap Joint Flange	No	
			Tri-Clamp	No	

PROCESS CONDITIONS

Operating Pressure		psig	Max Design Temp		°F
MAWP		psig	Min Design Temp		°F
Atmospheric Pressure	14.7	psia	Operating Temp		°F
Constant Backpressure		psig	Relief Temp	60	°F
Variable Backpressure		psig			
Built-up Backpressure		psig	Rupture Disk	No	

CALCULATIONS

Series/Orifice	740	J	Coefficient of Discharge	0.878
ASME Calculated Adisch	1.049	in ²	Back Pressure Correction	1.00
Selected Adisch	1.418	in ²	Rupture Disk Correction	1.00
Overpressure	10%		Balanced Bellows	1.00
Valve Capacity (Fluid)	5407	SCFM	Reaction Force	698.66 lbf
Valve Capacity (Air)	5984		Noise @ 100 ft	125.29 dB
Material	Brass/Bronze		Connection	NPT x FNPT
Seating	Metal		Inlet / Outlet	2 3
Cap	Lift Lever		Options	None
			Flange Face Finish	Not Applicable

Note: Valve capacity is at 10% or 3psi overpressure, whichever is greater. Above options are not exhaustive! Please contact Aquatrol if an option not listed above is available!

PART NUMBER

740JJ1M1K1-225

TAG

No: 740JJ1M1K1-225 Size: 2 x 3
 Set: 225 psi Cap: 5984 SCFM

COMMENTS

*Tag will also display serial number, date of manufacture, and necessary symbols for certification

DISCLAIMER

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