

CHOKE VALVES & ACTUATORS

“Lifetime Partners of Your Well”

CHOKE VALVES

Engineered for Today’s Harsh Environments

Manufactured in accordance to API 6A / Q1, ABSA CRN, & NACE

Premium Flow Control Products

With customized equal percentage trim characteristic

About New Star Flow Control

Reliable products for the oil & gas industry through engineering and quality

New Star Flow Control Inc. manufactures premium flow control products for high-performance oil and gas companies worldwide.

We combine rigorous research with our unique engineering capabilities to create products that deliver world-class results each and every time.

Being a world-class manufacturer of choke valves, New Star delivers quality product on time to our customers around the world



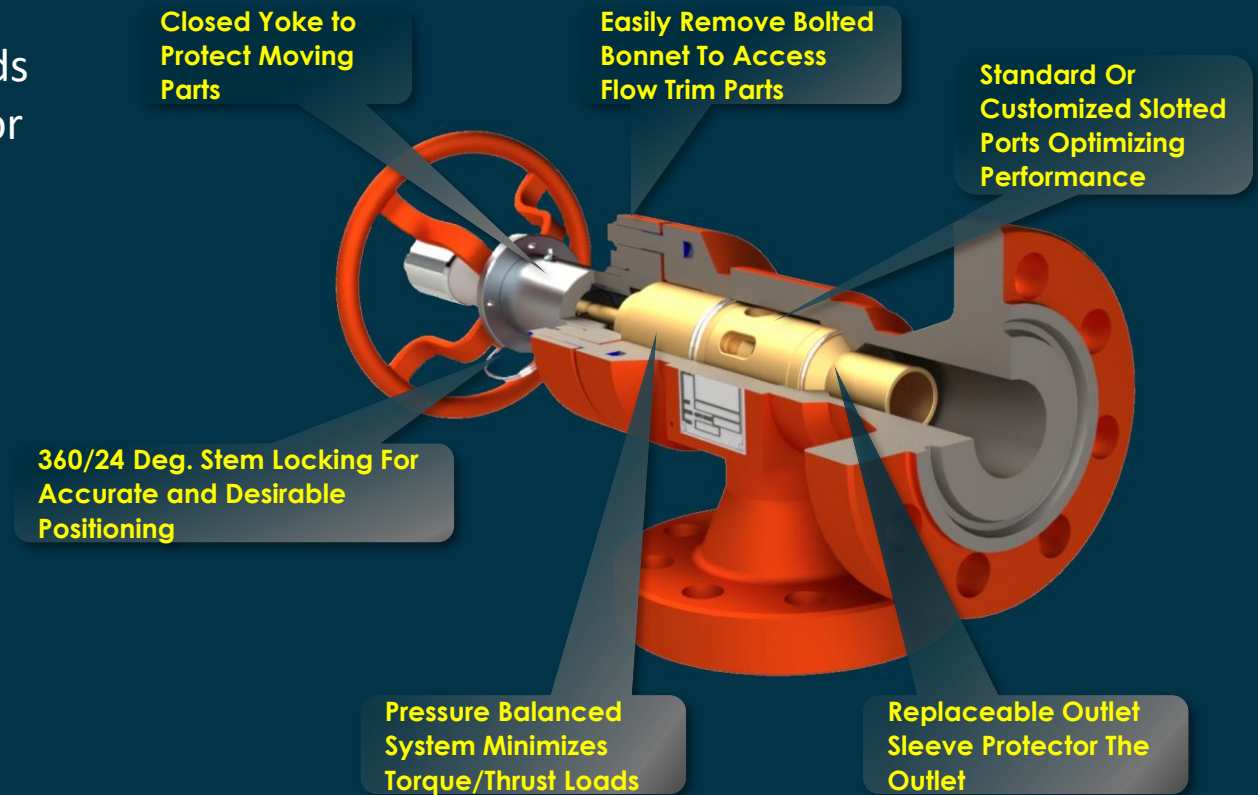
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ANGLE BODY CHOKE VALVE - "A Series Models"

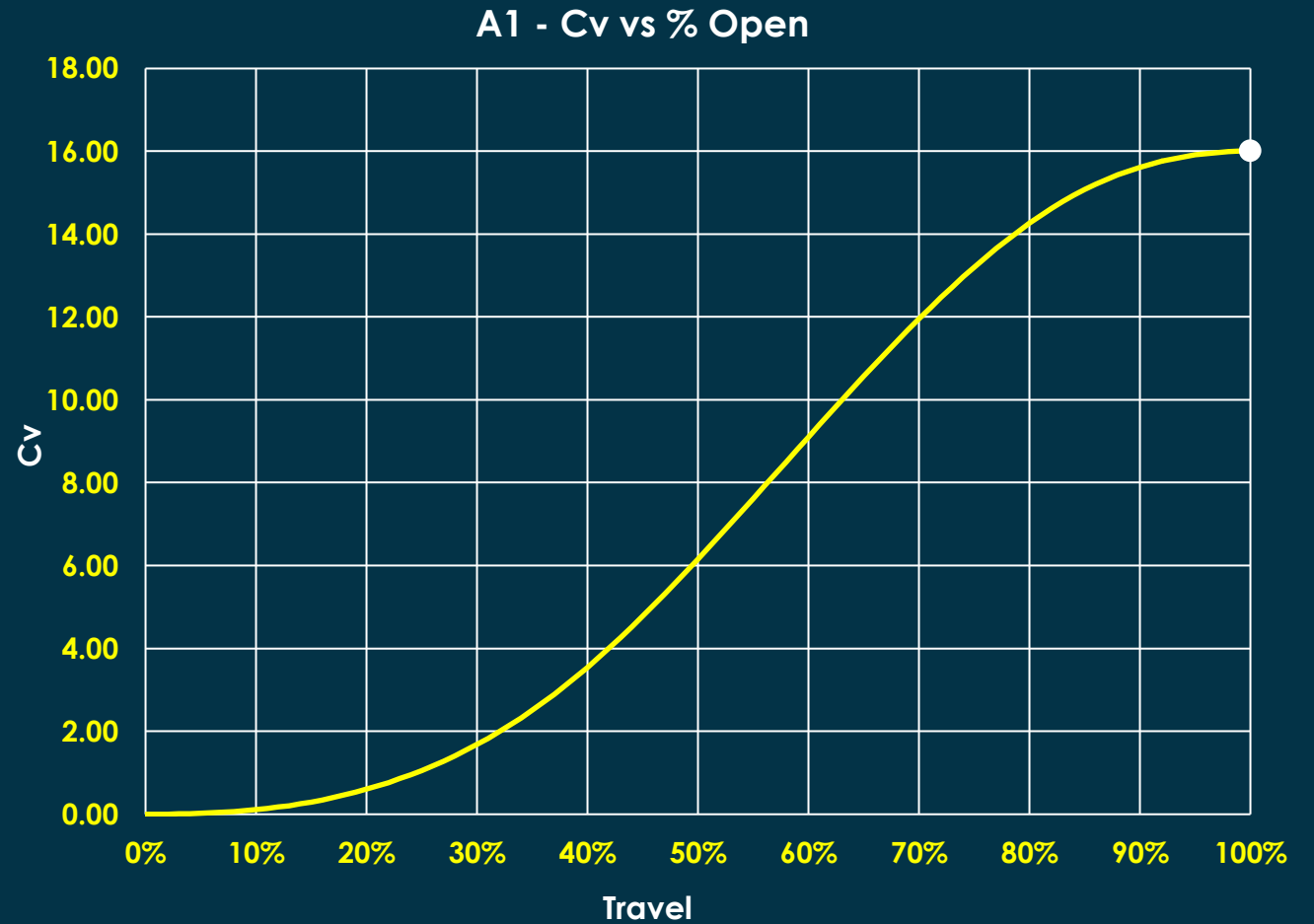
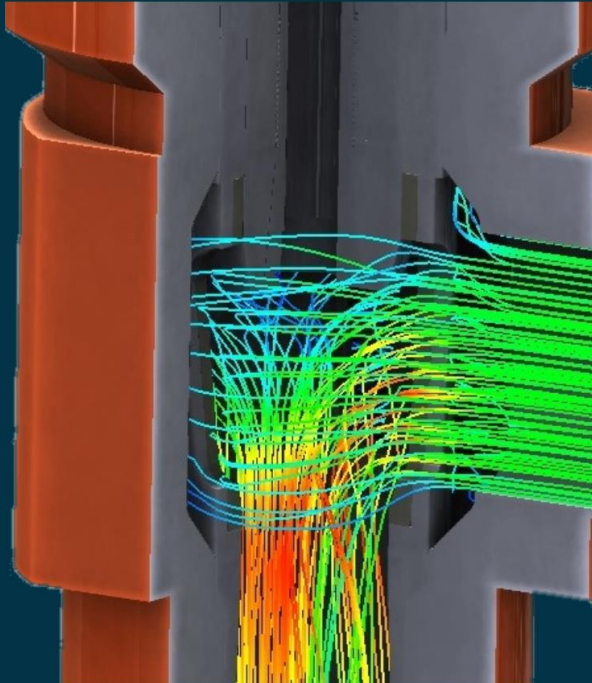
SMART FEATURES

- Pressure balanced design, minimizing torque/thrust loads
- Low torque stem packing & sealing system, lower cost for actuation components
- Customizable ports to optimize performance
- Solid Tungsten Carbide trim standard
- Cage with shrink-fit carrier protector
- Replaceable outlet wear sleeve
- 360/24 degree stem locking device standard
- Closed yoke protects moving parts
- Bolted bonnet design for all sizes
- Large trim positioning indicator with sleeve pointer protector in stainless steel
- API – M/C (EE-.5), Temp (L/U) as standard
- All other API material classes are available



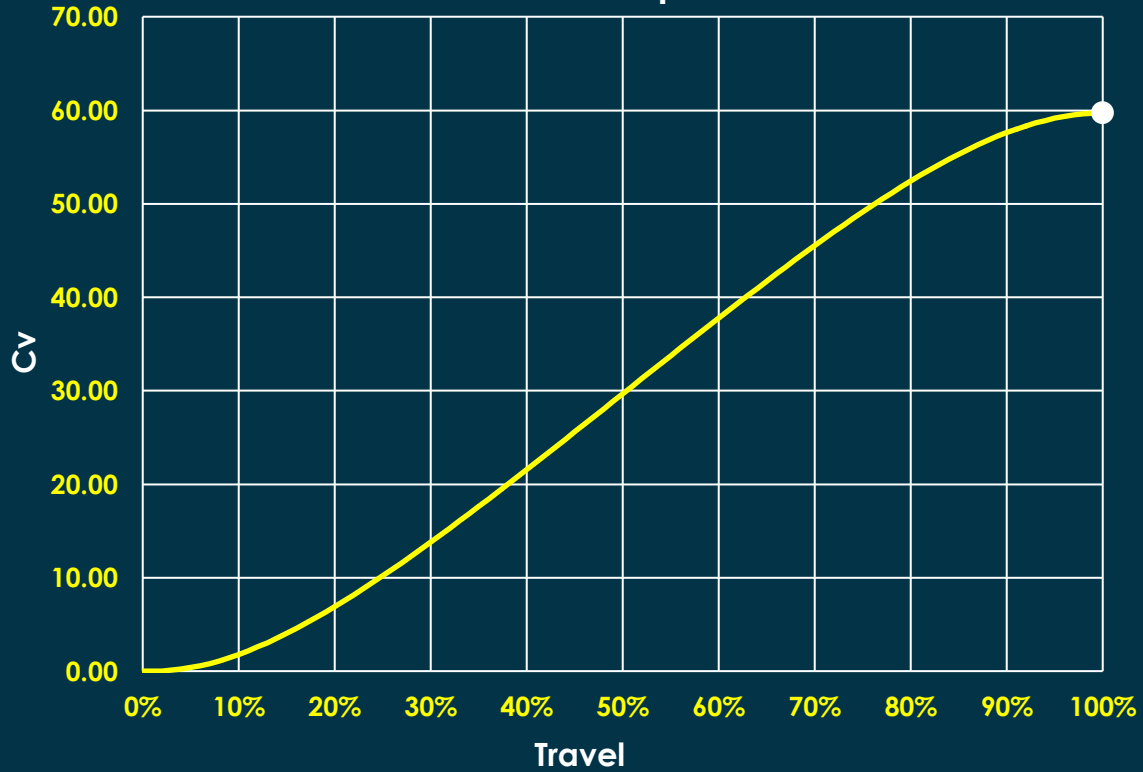
CV DATA & FLOW CURVES

- A1 1" nom body - Max Cv: 16.0
- A2 2" nom body - Max Cv: 59.7
- A3 3" nom body - Max Cv: 149.0
- A3 3" Ext. range - Max Cv: 201.5

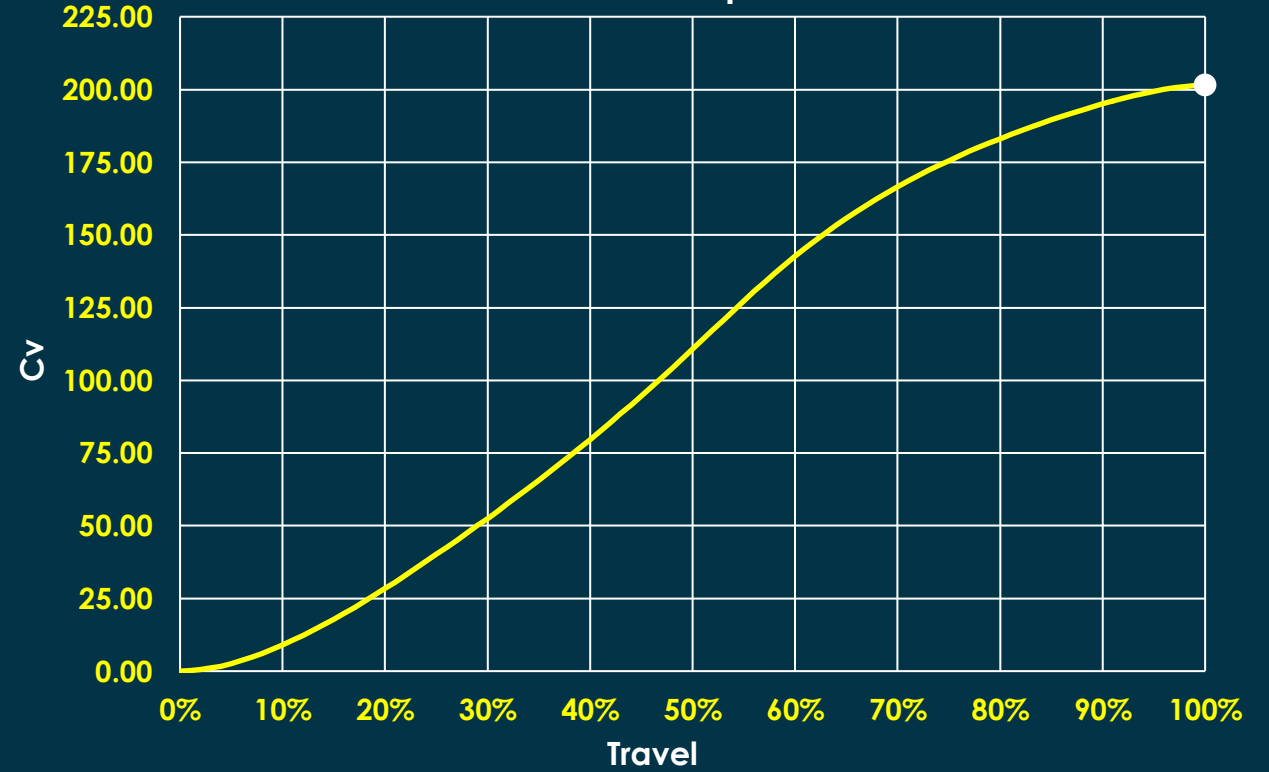


CV DATA & FLOW CURVES

A2 - Cv vs % Open



A3 - Cv vs % Open



OPERATING TORQUES



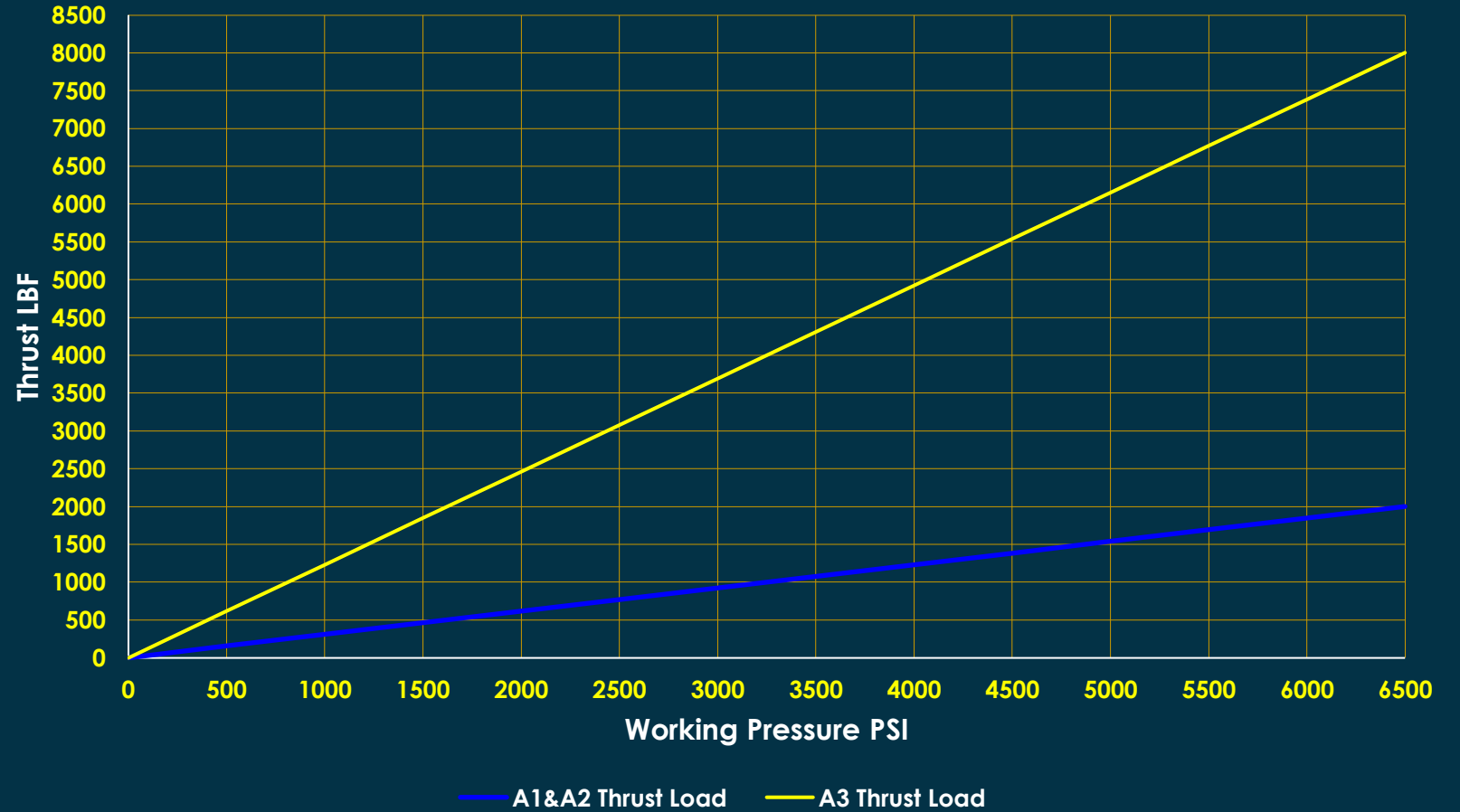
Operating Torque vs Working Pressure

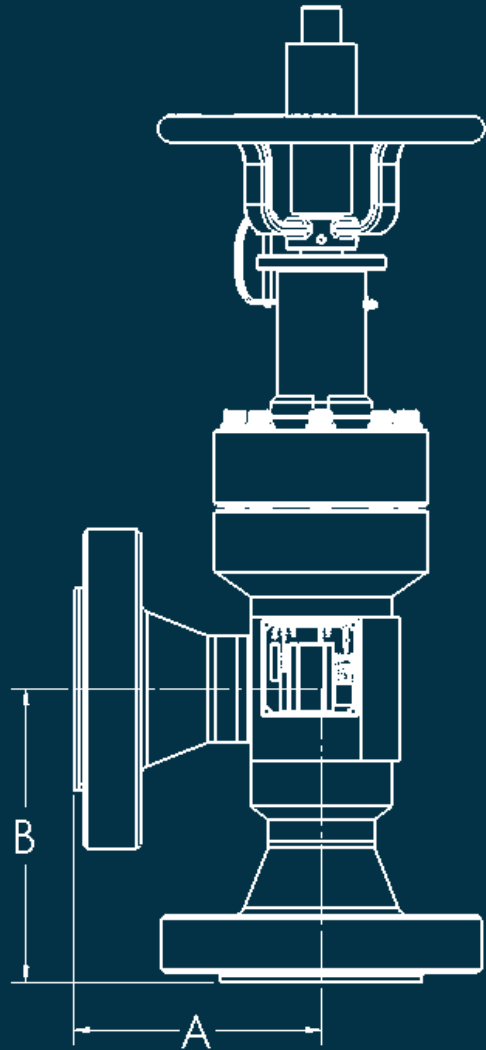


OPERATING THRUST LOADS



Thrust Load vs Working Pressure





A SERIES DIMENSIONS											
Row Color	A1		A2		A3						
End Connections	Working Pressure	End Connections Sizes									
		2"		3"		4"		5"		6"	
		Dimensions (Inches)									
	A	B	A	B	A	B	A	B	A	B	
ANSI 600# RF	6.13	7.25	6.27	7.62	X	X	X	X	X	X	
	6.39	7.82	6.55	8.19	X	X	X	X	X	X	
ANSI 900# RF	7.25	8.37	7.02	8.37	X	X	X	X	X	X	
	7.51	8.94	7.30	8.94	X	X	X	X	X	X	
ANSI 1500# RF			9.13	10.04	X	X	10.13	11.04	X	X	
	7.27	8.37	7.75	9.05	X	X	X	X	X	X	
ANSI 600# RTJ	7.53	8.94	8.03	9.62	X	X	X	X	X	X	
	X	X	9.81	10.72	X	X	11.25	12.16	11.88	12.79	
ANSI 900# RTJ	X	X	X	X	X	X	X	X	X	X	
	X	X	X	X	X	X	X	X	X	X	
ANSI 1500# RTJ	7.12	8.24	7.08	8.43	X	X	X	X	X	X	
	7.57	9.00	7.36	9.00	X	X	X	X	X	X	
ANSI 2500# RTJ			9.19	10.10	X	X	X	X	X	X	
	7.33	8.43	7.75	9.05	X	X	X	X	X	X	
ANSI 600# RTJ	7.59	9.00	8.03	9.62	8.02	9.88	X	X	X	X	
			9.81	10.72	10.07	10.98	11.31	12.22	12.00	12.91	
ANSI 900# RTJ	8.40	9.43	9.95	11.12	X	X	X	X	X	X	
	8.65	10.00	10.22	11.69	10.97	12.63	X	X	X	X	
ANSI 1500# RTJ	X	X	11.87	12.78	12.81	13.72	14.38	15.29	X	X	
	X	X	11.87	12.78	12.81	13.72	14.38	15.29	X	X	

A SERIES DIMENSIONS											
Row Color	A1		A2		A3						
End Connections	Working Pressure	End Connections Sizes									
		2-1/16"		2-9/16"		3-1/16"		3-1/8"		4-1/16"	
		Dimensions (Inches)									
	A	B	A	B	A	B	A	B	A	B	
API 5K	7.33	8.43	X	X	X	X	7.75	9.05	X	X	
	7.59	9.00	X	X	X	X	8.00	9.63	X	X	
API 10K	X	X	X	X	X	X	9.82	10.73	10.07	10.98	
	X	X	8.12	9.12	8.25	9.61	X	X	X	X	
API 5K	X	X	8.37	9.69	8.54	10.18	X	X	X	X	
	X	X	9.87	10.78	10.36	11.27	X	X	X	X	