

Aquatrol, Incorporated (AQT)

NB#: 02002

location: 600 E North Street, Elburn, IL 60119-8012 United States

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Certification Number: **02002** Design Series or catalog number: **88A, 89A**

Type Classification: Safety Relief Valve

Capacity Tests: Sec. VIII Div. 1 at National Board T L (Picaway) on October 15, 1980

Method of Establishing Relieving Capacity: Flow Capacity, Slope

Certified Value: .644 SCFM/PSIA

Test Medium: Air/Gas

Certified Medium: Air/Gas

Set Pressure Definition: Pop

Blowdown: Fixed

Scope of Nominal Size and Set Pressure Ranges:

Inlet Size	Outlet Size	Flow Area	Orifice [designator] diameter	Lift	Set Pressure Range	Media	Code Section
0.5 NPS	.75 NPS		0.5 in	0.036 in	15 - 250 psi	Air	VIII Div. 1
						Steam	VIII Div. 1

Certification Number: **02013** Design Series or catalog number: **88B, 89B**

Type Classification: Safety Relief Valve

Capacity Tests: Sec. VIII Div. 1 at National Board T L (Picaway) on October 15, 1980

Method of Establishing Relieving Capacity: Flow Capacity, Slope

Certified Value: .930 SCFM/PSIA

Test Medium: Air/Gas

Certified Medium: Air/Gas

Set Pressure Definition: Pop

Blowdown: Fixed

Scope of Nominal Size and Set Pressure Ranges:

Inlet Size	Outlet Size	Flow Area	Orifice [designator] diameter	Lift	Set Pressure Range	Media	Code Section
0.75 NPS	1 NPS		0.75 in	0.04 in	15 - 250 psi	Air	VIII Div. 1
						Steam	VIII Div. 1

Certification Number: **02024** Design Series or catalog number: **88C, 89C**

Type Classification: Safety Relief Valve

Capacity Tests: Sec. VIII Div. 1 at National Board T L (Picaway) on October 14, 1980

Method of Establishing Relieving Capacity: Flow Capacity, Slope

Certified Value: 2.274 SCFM/PSIA

Test Medium: Air/Gas

Certified Medium: Air/Gas

Set Pressure Definition: Pop

Blowdown: Fixed

Scope of Nominal Size and Set Pressure Ranges:

Inlet Size	Outlet Size	Flow Area	Orifice [designator] diameter	Lift	Set Pressure Range	Media	Code Section
1 NPS	1.25 NPS		1 in	0.075 in	15 - 250 psi	Air	VIII Div. 1
						Steam	VIII Div. 1

Location: 600 E North Street, Elburn, IL 60119-8012 United States

Certification Number: **02035** Design Series or catalog number: **88D, 89D**

Type Classification: Safety Relief Valve

Capacity Tests: Sec. VIII Div. 1 at National Board T L (Picaway) on October 14, 1980

Method of Establishing Relieving Capacity: Flow Capacity, Slope

Certified Value: 3.504 SCFM/PSIA

Test Medium: Air/Gas

Certified Medium: Air/Gas

Set Pressure Definition: Pop

Blowdown: Fixed

Scope of Nominal Size and Set Pressure Ranges:

<i>Inlet Size</i>	<i>Outlet Size</i>	<i>Flow Area</i>	<i>Orifice [designator] diameter</i>	<i>Lift</i>	<i>Set Pressure Range</i>	<i>Media</i>	<i>Code Section</i>
1.25 NPS	1.5 NPS		1.25 in	0.086 in	15 - 250 psi	Air	VIII Div. 1

Certification Number: **02046** Design Series or catalog number: **88E, 89E**

Type Classification: Safety Relief Valve

Capacity Tests: Sec. VIII Div. 1 at National Board T L (Picaway) on October 14, 1980

Method of Establishing Relieving Capacity: Flow Capacity, Slope

Certified Value: 4.900 SCFM/PSIA

Test Medium: Air/Gas

Certified Medium: Air/Gas

Set Pressure Definition: Pop

Blowdown: Fixed

Scope of Nominal Size and Set Pressure Ranges:

<i>Inlet Size</i>	<i>Outlet Size</i>	<i>Flow Area</i>	<i>Orifice [designator] diameter</i>	<i>Lift</i>	<i>Set Pressure Range</i>	<i>Media</i>	<i>Code Section</i>
1.5 NPS	2 NPS		1.5 in	0.1 in	15 - 250 psi	Air	VIII Div. 1
						Steam	VIII Div. 1

Certification Number: **02057** Design Series or catalog number: **88F, 89F**

Type Classification: Safety Relief Valve

Capacity Tests: Sec. VIII Div. 1 at National Board T L (Picaway) on October 14, 1981

Method of Establishing Relieving Capacity: Flow Capacity, Slope

Certified Value: 7.404 SCFM/PSIA

Test Medium: Air/Gas

Certified Medium: Air/Gas

Set Pressure Definition: Pop

Blowdown: Fixed

Scope of Nominal Size and Set Pressure Ranges:

<i>Inlet Size</i>	<i>Outlet Size</i>	<i>Flow Area</i>	<i>Orifice [designator] diameter</i>	<i>Lift</i>	<i>Set Pressure Range</i>	<i>Media</i>	<i>Code Section</i>
2 NPS	2.5 NPS		2 in	0.12 in	15 - 250 psi	Air	VIII Div. 1
						Steam	VIII Div. 1

Location: 600 E North Street, Elburn, IL 60119-8012 United States

Certification Number: **02068** Design Series or catalog number: **120, 121, 125, 126**

Type Classification: Safety Relief Valve

Capacity Tests: Sec. VIII Div. 1 at National Board T L (Picaway) on February 03, 1982

Method of Establishing Relieving Capacity: Flow Capacity, Slope

Certified Value: 1.037 SCFM/PSIA

Certified Value (alternate medium): 2.91 PPH/PSIA

Test Medium: Air/Gas

Certified Medium: Steam & Air/Gas

Set Pressure Definition: Pop

Blowdown: Fixed

Scope of Nominal Size and Set Pressure Ranges:

Inlet Size	Outlet Size	Flow Area	Orifice [designator] diameter	Lift	Set Pressure Range	Media	Code Section
0.5 - 1 NPS	.75, top NPS		0.75 in	0.045 in	15 - 200 psi	Air	VIII Div. 1
						Steam	VIII Div. 1

Certification Number: **02079** Design Series or catalog number: **130, 132, 133, 135**

Type Classification: Safety Relief Valve

Capacity Tests: Sec. VIII Div. 1 at National Board T L (Picaway) on October 15, 1980

Method of Establishing Relieving Capacity: Flow Capacity, Slope

Certified Value: .403 SCFM/PSIA

Certified Value (alternate medium): 1.13 PPH/PSIA

Test Medium: Air/Gas

Certified Medium: Steam & Air/Gas

Set Pressure Definition: Pop

Blowdown: Fixed

Scope of Nominal Size and Set Pressure Ranges:

Inlet Size	Outlet Size	Flow Area	Orifice [designator] diameter	Lift	Set Pressure Range	Media	Code Section
0.25 - 0.5 NPS	.5, Top NPS		0.5 in	0.024 in	15 - 200 psi	Air	VIII Div. 1
						Steam	VIII Div. 1

Certification Number: **02080** Design Series or catalog number: **560, 570**

Type Classification: Safety Valve

Capacity Tests: Sec. I at National Board T L (Worthington) on November 10, 2005

Method of Establishing Relieving Capacity: Flow Capacity, K

Certified Value: 0.856 Unitless

Test Medium: Steam

Certified Medium: Steam & Air/Gas

Special Service: None

Set Pressure Definition: Pop

Blowdown: Adjustable by Dual Ring

Scope of Nominal Size and Set Pressure Ranges:

Inlet Size	Outlet Size	Flow Area	Orifice [designator] diameter	Lift	Set Pressure Range	Media	Code Section
0.5 - 0.75 NPS	.75 NPS	0.125 sq in	[D] 0.4 in	0.1 in	15 - 250 psi	Steam	I & VIII Div. 1
					15 - 300 psi	Air	VIII Div. 1
0.75 - 1 NPS	1 NPS	0.221 sq in	[E] 0.53 in	0.132 in	15 - 250 psi	Steam	I & VIII Div. 1
					15 - 300 psi	Air	VIII Div. 1
1 - 1.25 NPS	1.25 NPS	0.352 sq in	[F] 0.67 in	0.167 in	15 - 250 psi	Steam	I & VIII Div. 1
					15 - 300 psi	Air	VIII Div. 1
1.25 - 1.5 NPS	1.5 NPS	0.567 sq in	[G] 0.85 in	0.212 in	15 - 250 psi	Steam	I & VIII Div. 1
					15 - 300 psi	Air	VIII Div. 1
1.5 - 2 NPS	2 NPS	0.899 sq in	[H] 1.07 in	0.267 in	15 - 250 psi	Steam	I & VIII Div. 1
					15 - 300 psi	Air	VIII Div. 1
2 - 2.5 NPS	2.5 NPS	1.463 sq in	[J] 1.365 in	0.41 in	15 - 250 psi	Steam	I & VIII Div. 1
					15 - 300 psi	Air	VIII Div. 1

Certification
Number: **02091**Design Series
or catalog number: **Series 740**

Type Classification: Safety Relief Valve

Capacity Tests: Sec. VIII Div. 1 at National Board T L (Worthington) on November 21, 2012

Method of Establishing Relieving Capacity: Flow Capacity, K

Certified Value: .878 Unitless

Test Medium: Steam & Air/Gas

Certified Medium: Steam & Air/Gas

Special Service: None

Set Pressure Definition: Pop

Blowdown: Fixed

Scope of Nominal Size and Set Pressure Ranges:

Inlet Size	Outlet Size	Flow Area	Orifice [designator] diameter	Lift	Set Pressure Range	Media	Code Section
0.5 - 1 NPS	0.75, 1 NPS	0.125 sq in	[D] 0.4 in	0.105 in	15 - 1500 psi	Air	VIII Div. 1
					15 - 300 psi	Steam	VIII Div. 1
0.75 - 1 NPS	1, 1.25 NPS	0.221 sq in	[E] 0.53 in	0.135 in	15 - 1500 psi	Air	VIII Div. 1
					15 - 300 psi	Steam	VIII Div. 1
0.75 - 1.5 in	1, 1.25 NPS	0.221 sq in	[E] 0.53 in	0.135 in	15 - 1500 psi	Air	VIII Div. 1
					15 - 300 psi	Steam	VIII Div. 1
1 - 1.5 NPS	1.5 NPS	0.353 sq in	[F] 0.67 in	0.17 in	15 - 300 psi	Steam	VIII Div. 1
					15 - 750 psi	Air	VIII Div. 1
1.25 - 2 NPS	2 NPS	0.554 sq in	[G] 0.84 in	0.215 in	15 - 300 psi	Steam	VIII Div. 1
					15 - 700 psi	Air	VIII Div. 1
1.5 - 2.5 NPS	2.5 NPS	0.923 sq in	[H] 1.084 in	0.28 in	15 - 300 psi	Steam	VIII Div. 1
					15 - 600 psi	Air	VIII Div. 1
2 - 3 NPS	3 NPS	1.421 sq in	[J] 1.345 in	0.34 in	15 - 300 psi	Steam	VIII Div. 1
					15 - 600 psi	Air	VIII Div. 1

Certification
Number: **02103**Design Series
or catalog number: **Series 740 (Liquid)**

Type Classification: Safety Relief Valve

Capacity Tests: Sec. VIII Div. 1 at National Board T L (Worthington) on November 20, 2012

Method of Establishing Relieving Capacity: Flow Capacity, K

Certified Value: .791 Unitless

Test Medium: Liquid

Certified Medium: Liquid

Special Service: None

Set Pressure Definition: First Steady Stream

Scope of Nominal Size and Set Pressure Ranges:

Inlet Size	Outlet Size	Flow Area	Orifice [designator] diameter	Lift	Set Pressure Range	Media	Code Section
0.5 - 1 NPS	0.75, 1 NPS	0.125 sq in	[D] 0.4 in	0.105 in	15 - 1500 psi	Water	VIII Div. 1
0.75 - 1 NPS	1, 1.25 NPS	0.221 sq in	[E] 0.53 in	0.135 in	15 - 1500 psi	Water	VIII Div. 1
0.75 - 1.5 in	1, 1.25 NPS	0.221 sq in	[E] 0.53 in	0.135 in	15 - 1500 psi	Water	VIII Div. 1
1 - 1.5 NPS	1.5 NPS	0.353 sq in	[F] 0.67 in	0.17 in	15 - 750 psi	Water	VIII Div. 1
1.25 - 2 NPS	2 NPS	0.554 sq in	[G] 0.84 in	0.215 in	15 - 700 psi	Water	VIII Div. 1
1.5 - 2.5 NPS	2.5 NPS	0.923 sq in	[H] 1.084 in	0.28 in	15 - 600 psi	Water	VIII Div. 1
2 - 3 NPS	3 NPS	1.421 sq in	[J] 1.345 in	0.34 in	15 - 600 psi	Water	VIII Div. 1

Location: 600 E North Street, Elburn, IL 60119-8012 United States

Certification Number: **02114** Design Series or catalog number: **140-A**

Type Classification: Safety Relief Valve

Capacity Tests: Sec. VIII Div. 1 at National Board T L (Worthington) on August 20, 2018

Method of Establishing Relieving Capacity: Flow Capacity, Slope

Certified Value: 0.924 SCFM/PSIA

Test Medium: Gas

Certified Medium: Air/Gas

Set Pressure Definition: Pop

Blowdown: Fixed

Scope of Nominal Size and Set Pressure Ranges:

<i>Inlet Size</i>	<i>Outlet Size</i>	<i>Flow Area</i>	<i>Orifice [designator] diameter</i>	<i>Lift</i>	<i>Set Pressure Range</i>	<i>Media</i>	<i>Code Section</i>
0.25 - 0.5 NPS	Side	0.0604 sq in	0.281 in	0.09 in	15 - 450 psi	Air	VIII Div. 1

Certification Number: **02125** Design Series or catalog number: **140-B**

Type Classification: Safety Relief Valve

Capacity Tests: Sec. VIII Div. 1 at National Board T L (Worthington) on August 20, 2018

Method of Establishing Relieving Capacity: Flow Capacity, Slope

Certified Value: 1.487 SCFM/PSIA

Test Medium: Gas

Certified Medium: Air/Gas

Set Pressure Definition: Pop

Blowdown: Fixed

Scope of Nominal Size and Set Pressure Ranges:

<i>Inlet Size</i>	<i>Outlet Size</i>	<i>Flow Area</i>	<i>Orifice [designator] diameter</i>	<i>Lift</i>	<i>Set Pressure Range</i>	<i>Media</i>	<i>Code Section</i>
0.375 - 0.75 NPS	Side	0.0837 sq in	0.39 in	0.12 in	15 - 450 psi	Air	VIII Div. 1