



In 1984, our journey into the business of repairing valves and industrial instrumentation began. That journey has led us to represent and service well known American brands and companies. In early 2000, our experience and growing passion for the valve industry encouraged our decision to launch our own brand, Morris Valves, Starting with the highly requested Ball Valves, the brand has been based on the principal of quality and performance to match our customers' needs. Our high standards of production later lead us to incorporate other models such as Gate Valve and Check Valves to our production. These additions were carefully selected to match our Standard of Quality. Our success has been driven by our belief of "Tradition with Quality" in everything we do. Our products are developed with that belief which drives our growth and guides the service we provide to our customers.

### **Contacts**

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## Vision

Our vision is to be amongst the leading corporations in the supply of goods and services related to valves, their components and industrial equipment in general. We want to conquer new markets in conformity with international standards and remain committed to customer satisfaction, the welfare of our company and the sustainability our planet.

# Mission

Our mission is to use our highly trained, highly focused, and extremely motivated staff to work with manufacturers who value quality and have the vision for new development and product applications to ensure the timely provision of goods and services related to valves, their components and industrial equipment in general. We maintain a rigorous standard of customer satisfaction, which will provide for the welfare of the company, the welfare of the countries we serve, and most importantly the sustainability of the planet.

"Serving the world, one project at a time"

### Anited States of America Mariton States Patent and Arahemark Office United States Patent and Trademark Office



Reg. No. 4,840,307

MORRIS VALVES, INC. (FLORIDA CORPORATION)

Registered Oct. 27, 2015 MIAMI, FL 33166

5590 N.W. 84TH AVE.

Int. Cl.: 6

FOR: METAL PIPES AND METAL FITTINGS THEREFOR; METAL TUBES AND METAL

FITTINGS THEREFOR, IN CLASS 6 (U.S. CLS. 2, 12, 13, 14, 23, 25 AND 50).

**TRADEMARK** 

FIRST USE 2-11-2015; IN COMMERCE 2-11-2015.

PRINCIPAL REGISTER

OWNER OF U.S. REG. NO. 4,241,186.

THE COLOR(S) YELLOW, WHITE, AND BLUE IS/ARE CLAIMED AS A FEATURE OF THE

MARK.

THE MARK CONSISTS OF A STYLIZED WHITE LETTER "V" WITH A BLUE OUTLINE INSIDE OF A STYLIZED LETTER "M" IN BLUE OUTLINED WITH YELLOW. THE BACK-

GROUND OF THE MARK IS WHITE.

SER. NO. 86-543,795, FILED 2-24-2015.

MARCIE MILONE, EXAMINING ATTORNEY



Michelle K. Len

Director of the United States Patent and Trademark Office



#### **SEAMLESS PIPE**

(SMLS) is made when steel in a solid, round cylindrical shape, called a "billet" or a "tube round" is heated and then either pushed or pulled (while being rapidly rotated) over a mandrel with a piercing point positioned in the center of the billet. This activity produces a hollow tube or "shell". The tube is then further finished until it becomes the size and wall thickness desired. (Because the pipe is formed in a heated manner the pipe is normalized and should have a consistent steel cellular pattern throughout its circumference).

Seamless pipe is made in sizes from 1/8" to 26" and is widely used in:

- Construction
- Oil refining
- Chemical and
- Petro-chemical industries.

It is available in heavy wall thicknesses and exotic chemistries, and is suitable for coiling, flanging and threading. It is, however, expensive, in short supply and unavailable in long lengths.

#### Seamless pipe is available in the following specifications:

A53 Type S, which is seamless pipe, produced by hot working and possibly cold finishing, the steel (Grades A and ASTM A53) Type S is now currently an outdated specification and has been replaced by ASTM A106 specification for seamless carbon steel pipe.

A-106 (ASTM A106 Seamless Pressure Pipe) Grades A.B, and C;

A-252 Grades 1, 2, and 3;

A-333 Grades 1 through 9; A-335 Grades P-1 through P-22;

A-501, A-523, A-589,

API5L Grades A & B, and

API5L X-42 through X-65.





SPECIFICATION FOR ASTM A- 106 (Heat Analysis %)& API 5L PSL 1, PSL 2  Chemical and Mechanical Properties																
								Chemic	al Prop	erties				Mechanic	al Properties	
STD		Grade	C Max	Mn Max	P Max	S Max	Si Max	Cr Max	Cu Max	Mo Max	Ni Max	V Max	Yield strength Min (MPa)/Ksi		Tensile Strength Max.(Ksi)	Tensile Strength Max.(Ksi)
ASTM A106		A B C	0.30C	0.27-0.93 0.29-1.06 0.29-1.06	0.035 0.035 0.035	0.035 0.035 0.035	0.10 0.10 0.10	0.40 0.40 0.40	0.40 0.40 0.40	0.15 0.15 0.15	0.40 0.40 0.40	0.80 0.80 0.80	30 35 40	None None	48 60 70	None None
ASTM A179		179	0.06 - 0.18	0.27 - 0.63	0.035	0.035	/	/	/	/	/	/	26	None	47	None
ASTM A192		192	0.06	0.27 - 0.63	0.035	0.035	0.25	/	/	/	/	/	26	None	47	None
ASTM A192		A210A1 A210C	0.27 0.35	0.93 0.29-1.06	0.025 0.025	0.020 0.020	0.10 0.10	/	/	/	/	/	37 40	None None	60 70	None None
	PSL 2 PSL 1	A25 I	0.21	0.60	0.30	0.30							25 25	None None	45 45	None None
		A B X42	0.22 0.28 0.28	0.90 1.20 1.30	0.030 0.030 0.030	0.030 0.030 0.030							30 35 42	None None None	48 60 60	None None None
		X46 X52	0.28 0.28	1.40 1.40	0.030 0.030	0.030 0.030							46 52	None None	63 66	None None
		X56 X60	0.28	1.40 1.40	0.030	0.030							56 60	None None	71 75	None None
API 5L		X65 X70 B	0.28 0.28 0.24	1.45 1.65 1.20	0.030 0.030 0.025	0.030 0.030 0.015							65 70 35	None None 65	77 82 60	None None 110
		X42 X46	0.24	1.30 1.40	0.025 0.025	0.015 0.015							42 46	72 76	60 63	110 110 110
		X52 X56	0.24 0.24	1.40 1.40	0.025 0.025	0.015 0.015							52 56	77 79	66 71	110 110
			X60 X65 X70	0.24 0.24 0.24	1.40 1.40 1.40	0.025 0.025 0.025	0.015 0.015 0.015							60 65 70	82 87 90	75 77 82
		X70 X80	0.24	1.40	0.025	0.015							80	100	90	120

- A) The total composition for these five elements shall not exceed 1.00 %.
- B) For each reduction of 0.01 % below the specified carbon maximum, an increase of 0.06 % manganese above the specified maximum will be permitted up to a maximum of 1.35 %.
- C) Unless otherwise specified bythepurchaser, foreachreductionof 0.1%, below the specified carbon maximum, an Increase of 0.06% manganese above the specified maximum will be permitted up to a maximum of 1.65%.

**Weight Class:** STD, XS (Extra Strong), XXS(Double Extra Strong). Schedule Numbers: 40,80,160

**Surface finishes are available in:** Black (oiled). Galvanized. and Bare. Also, supplied with Inorganic coatings (adodic chromate, oxide and vitress enamels); Organic coatings (paints. varnishes. lacquers. rubber, and plastics such as x-tru coat and Scotch kote); Bituminous coatings (asphalt and coal tar).

**Marking:** Required Markings on Each Length(Each Joint, Each Piece). On Tags attached to each Bundle in case of Bundled Pipe.

- 1. Rolled, Stamped or Stenciled (Manufacture Name) or Registered Trade Mark (MORRIS VALVES OR LOGO).
- 2. Kind of pipe; that is, CW, ERW A, ERW B, Seamless A; or Seamless B;
- 3. STD, XS for extra strong, XXS for double extra strong.
- 4. Manufacturing STD (ASTM A53).
- 5. Length of pipe.

**Length:** 21 foot uniform lengths. (SRL) single random lengths from 16 foot to 22 foot and (DRL) double random lengths from 38 foot to 80 feet.

Ends: Square ends, Beveled 30° for welding, Threaded both ends, Threaded and coupled and Victaulic grooved for use with Victaulic couplings.



#### **Inspection& Testing:**

- 1. Hydrostatic test pressures for plain-end pipe According ASTM A53/A 53M,
- 2. Elongation in 2" Refer to A 53 table x 4.1, latest revisions ASTM A53/A 53M
- 3. Ultrasonic testing,
- 4. Eddy current testing,
- 5. Magnetic particle Testing,
- 6. Impact testing, Hardness testing, etc.

**Packaging:** For Sizes NPS 1 & 2 and smaller are normally put in standard bundles.



Certification: MILL TEST CERTIFICATE PEREN10204 - 3.1 IN ENGLISH LANGUAGE

Warranty: 12 MONTHS FROM DATE OF COMMISSIONING OR 18 MONTHS FROM SHIPMENT DATE



				SEAML	ESS PIPE	& LINE	PIPE SIZE	S (NPS /	O.D)				
NPS	W.T		GRADES										
OD		В	С	X42	X46	X52	X56	X60	X65	X70	X80	WEIGHT (PE) Lb/FT	
	0.145	STD - 40										2.72	
1-1/2"	0.200	XS - 80										3.63	
1.900	0.281	160										4.86	
NIDC 3	0.154	STD - 40		-	STD - 40							3.63	
NPS 2	0.218	XS - 80	XS - 80	XS - 80	XS - 80	XS - 80		XS - 80	XS - 80			3.66	
2.375	0.344	160 STD - 40	160	160	160 STD - 40	160	160	160	160			7.47 5.80	
NPS 2-1/2	0.203	XS - 80	XS - 80	XS - 80	XS - 80	XS - 80		XS - 80	XS - 80			7.67	
2.875	0.270	160	160	160	160	160	160	160	160			10.02	
2.075	0.216	STD - 40			STD - 40							7.58	
NPS 3	0.300	XS - 80	XS - 80	XS - 80	XS - 80		XS - 80		XS - 80			10.26	
3.500	0.438	160	160	160	160	160	160	160	160			14.34	
	0.226	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40			9.12	
NPS 3-1/2	0.318	XS - 80	XS - 80	XS - 80	XS - 80	XS - 80		XS - 80	XS - 80			12.52	
4.000	0.636	XXS	XXS	XXS	XXS	XXS	XXS	XXS	XXS			22.87	
	0.237	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	10.80	
NPS 4	0.250											11.36	
4.500	0.281 0.312											12.67 13.97	
4.500	0.312	XS - 80	XS - 80	XS - 80	XS - 80	XS - 80	XS - 80	XS - 80	XS - 80	XS - 80	XS - 80	15.97	
	0.438	120	120	120	120	120	120	120	120	120	120	19.02	
	0.531	160	160	160	160	160	160	160	160	160	160	22.53	
	0.258	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	14.63	
	0.281											15.87	
	0.312											17.51	
NPS 5	0.344											19.19	
5.563	0.375	XS - 80	XS - 80	XS - 80	XS - 80	XS - 80		XS - 80	XS - 80	XS - 80	XS - 80	20.80	
	0.500	120	120	120	120	120	120	120	120	120	120	27.06	
	0.625	160	160	160	160	160	160	160	160	160	160	32.99	
	0.250 0.280	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	17.04 18.99	
	0.230	JID 70	310 40	JID 40	JID 40	JID 40	JID 40	310 40	JID 40	310 40	JID 40	21.06	
	0.344											23.10	
NPS 6	0.375											25.05	
6.625	0.432	XS - 80	XS - 80	XS - 80	XS - 80	XS - 80	XS - 80	XS - 80	XS - 80	XS - 80	XS - 80	28.60	
	0.500											32.74	
	0.562	120	120	120	120	120	120	120	120	120	120	36.43	
	0.625	4.40					4.40	4.40			4.40	40.09	
	0.719	160	160	160	160	160	160	160	160	160	160	45.39	
	0.250 0.277	20 30	20 30	20 30	20 30	20 30	20 30	20 30	20 30	20 30	20 30	22.38 24.72	
	0.277	30	30	30	30	30	30	30	30	30	30	27.73	
	0.312	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	STD - 40	28.58	
	0.406	60	60	60	60	60	60	60	60	60	60	35.67	
NPS 8	0.500	XS - 80	XS - 80	XS - 80	XS - 80		XS - 80	XS - 80	XS - 80		XS - 80	43.43	
8.625	0.562											48.44	
	0.594	100	100	100	100	100	100	100	100	100	100	51.00	
	0.625	4.5.	4.5	4.5	4.5.	4.5.5	45-	4	4.5.	4.5.	4.5.	53.45	
	0.719	120	120	120	120	120	120	120	120	120	120	60.77	
	0.812	140	140	140	140	140	140	140	140	140	140	67.82	
	0.875 0.906	XXS 160	XXS 160	XXS 160	XXS 160	XXS 160	XXS 160	XXS 160	XXS 160	XXS 160	XXS 160	72.49 74.76	
	0.365	STD - 40								STD - 40		40.52	
	0.303	XS - 60	XS - 60	XS - 60	XS - 60		XS - 60	48.28					
	0.500		55	00	33	55	00	00	55	33	55	54.79	
	0.562	80	80	80	80	80	80	80	80	80	80	61.21	
NPS 10	0.594											64.49	
10.750	0.625	100	100	100	100	100	100	100	100	100	100	67.65	
	0.719											77.10	
	0.812	120	120	120	120	120	120	120	120	120	120	86.26	
	0.844	XS - 140								XS - 140		89.38	
	1.000 1.125	160	160	160	160	160	160	160	160	160	160	104.23 115.75	
	1.125											115./5	



		SEAMLESS PIPE & LINE PIPE SIZES (NPS / O.D)	
NPS	W.T	GRADES	WEIGHT (PE)
OD			Lb/FT
	0.219	B C X42 X46 X52 X56 X60 X65 X70 X80	29.34
	0.219	20	33.41
	0.281		37.46
	0.312		41.48
NPS 12	0.330	30	43.81
12.750	0.344 0.375	STD	45.62 49.61
	0.406	40	53.57
	0.438		57.65
	0.500	XS	65.48
	0.562	60	73.22
	0.625 0.688	80	81.01 88.71
	0.750	00	96.21
	0.844	100	107.42
	1.000	XXS - 120	125.61
	1.125	140	139.81
	1.312 0.375	160 STD 20	160.42 54.62
	0.373	STD - 30	59.00
NPS 14	0.438	40	63.50
OD = 14.00	0.469		67.84
	0.500	XS	72.16
	0.562		80.73
	0.594 0.625	60	85.13 89.36
	0.623		97.91
	0.750	80	106.23
	0.812		114.48
	0.938	100	130.98
	1.094	120	150.93
	1.250 1.406	140 160	170.37 189.29
	0.375	STD - 30	62.64
	0.406		67.68
	0.438		72.86
NDC 16	0.469	VC 40	77.87
NPS 16 OD=16	0.500 0.562	XS - 40	82.85 92.75
00-10	0.625		102.72
	0.656	60	107.60
	0.688		112.62
	0.750		122.27
	0.812	00	131.84 136.74
	0.844 1.031	80 100	164.98
	1.219	120	192.61
	1.250		197.10
	1.438	140	223.85
	1.594	160	245.48
	0.375 0.406	STD	70.65 76.36
	0.438	30	82.23
	0.469		87.89
	0.500	XS	93.54
NDC	0.562	40	104.76
NPS 18 OD = 18	0.625 0.688		116.09 127.32
UD = 18	0.688	60	127.32
	0.730		149.20
	0.938	80	171.08
	1.000		181.73
	1.156	100	208.15
	1.375	120	244.37
	1.562	140	274.48



				SEAMI	LESS PIPE	& LINE PI	PE SIZI	ES (NPS	/ O.D)			
NPS	W.T					GRAI	DES					WEIGHT (PE)
OD		В	С	X42	X46	X52	X56	X60	X65	X70	X80	Lb/FT
	0.375					20						78.67
	0.406											85.04
	0.438											91.59
	0.469											97.92
	0.500					XS - 3	0					104.23
	0.562											116.78
NPS 20	0.594					40						123.23
OD = 20	0.625											129.45
	0.688											143.03
	0.750											154.34
	0.812					60						166.56
	1.031					80						209.06
	1.250											250.55
	1.281					100						256.34
	1.375											273.76
	1.500											296.65
	0.375					STD						102.72
OD = 26	0.500					XS - 2	0					136.30
	0.375					20						86.69
	0.406											93.72
	0.438											100.96
	0.469											107.95
	0.500					30 / X	S					114.92
	0.562											128.79
NPS 22	0.625											142.81
OD=22	0.688											156.74
	0.750											170.37
	0.812											183.92
	0.875					60						197.60
	1.000											224.49
	1.125					80						251.05
	1.219											270.80
	1.250					22 / 67						277.27
	0.375					20 / ST	D					94.71
	0.406											102.40
	0.438											110.32
	0.469					V.C						117.98
	0.500					XS						125.61
	0.562 0.625					30						140.81 156.17
NPS 24						40						171.45
OD = 24	0.688 0.750					40						186.41
JD – 24	0.750											201.28
	0.875											216.31
	0.873											231.25
	0.958					60						231.23
	1.000					00						245.87
	1.000											253.15
	1.062											260.41
	1.219					80						296.86
	0.375					STD						102.72
	0.406					טוט						111.08
	0.438											119.69
	0.469											128.00
NPS 26	0.500					20 / X	ς					136.30
OD = 26	0.562					20 / X						152.83
22 20	0.625											169.54
	0.688											186.16
	0.750											202.44
	0.730											218.64
	1.062											283.12





A Tradition of Quality

Our passion is to develop solutions for difficult situations in Industrial Applications, no matter how large or small the project.

"Serving the world, one project at a time"