



# Valves by and



**Rowe or Precision Machining (Kibblewhite).** Intake valves are made of 8645 heat treated valve steel and the exhaust valves are made of 21-2N heat treated non-magnetic stainless steel. These valves are available with the following stems and heads:

- (1) **Roller Burnished Stem:** Roller burnishing smooths the finest grind finish (16 microinch) to a 4 microinch.
- (2) **Melonite, Special Black Stem:** This is a heat treating process developed and patented in Germany. Gives the valve a Black Smokey look. Very hard and slippery. Currently being used on O.E.M. valves available in Rowe or Black Diamond brands.
- (3) **Titanium Nitride Gold Coated Stem:** Absolutely top of the line. Extremely hard and slippery. Gold in color, known by the scientific abbreviation TiN, this is the same coating used on Carbide cutters for high heat applications.
- (4) **Razor Back by Kibble White** are one piece forged EV-8 stainless steel, fully CNC machined with hard chrome stems.
- (5) **Rowe Pro:** Forged one piece stainless steel valve precision CNC machined. Features special black melonite finish, swirl polished tulip area and heat treated water tip.



**Oversize Valve Seats** can be used with unleaded gas. Replacement size is actual size of seat supplied by V-Twin Number. Stock size is noted as reference only.

### Intake

VT No.	Fits	Stock Size
<b>11-0642</b>	1957-69	1.690 Port Size
Replacement Size	2 x 1.687 x 9/32"	
<b>11-0643</b>	1970-85	1.650 Port Size
Replacement Size	2 1/16" x 1.687 x 9/32"	
<b>11-0787</b>	1986-up	1.815 x 1.398 x .384
Replacement Size	36.5mm x 47mm x 10mm	

### Exhaust

<b>11-0659</b>	1957-85	1.405 Port Size
<b>11-0789</b>	1986-up	1.579 x 1.107 x .340
Replacement Size	1 3/16" x 1 5/8" x 3/8"	

ROWE VALVES						Kibblewhite		
Model and Year	Application	Forged & Shot Peened Head		Fully Machined Head		Stainless		
		Roller Burnish Stem (1)	Melonite Special Black Stem (2)	Melonite Special Black Stem (2)	Titanium Nitride Gold Coat Stem (3)	Rowe Pro (4)	Black Diamond™	Razor Back (5)
Ironhead Sportster 1958-1969	Intake 18070-58	—	—	—	—	—	11-6003	11-6079
	Exhaust 18080-58A	<b>11-6033</b>	<b>11-6040</b>	—	—	—	11-6010	11-6080
Ironhead Sportster 1970-1984	Intake 18027-80	<b>11-6034</b>	<b>11-6041</b>	—	—	—	11-6004	11-6081
	1/16" O.S.	—	—	—	—	—	11-6107	—
	Exhaust 18033-80	<b>11-6033</b>	<b>11-6040</b>	—	11-0804	—	11-6010	11-6080
	1/16" O.S.	—	—	—	—	—	11-6108	—
Ironhead Sportster XLR 1970-85	Intake	—	—	—	—	—	11-6006	11-6082
	Exhaust	—	—	—	—	—	11-6013	11-6083
Evolution 883cc 1986-2003	Intake 18031-86	—	—	—	11-6068	11-6109	11-6091	—
	Exhaust 18030-86	—	—	—	11-6069	11-6110	11-6092	—
Evolution 1100cc 1986 only	Intake 18023-86	—	—	—	—	—	11-6005	—
	Exhaust 18024-86	<b>11-0798</b>	—	—	—	—	11-6012	—
Evolution 1100cc 1200cc 1987-2003	Intake 18023-87	—	—	11-6065	11-6070	—	11-6093	—
	Exhaust 18024-87	—	—	11-6066	11-6071	—	11-6094	—
Evolution 883cc 2004-up	Intake 18053-04	—	—	11-6115	—	—	—	—
	Exhaust 18059-04	—	—	11-6116	—	—	—	—
Evolution 1200cc 2004-up	Intake 18690-02	—	—	11-6117	—	—	—	—
	Exhaust 18691-02	—	—	11-6118	—	—	—	—
Conversion 883 to 1200 Evolution	Intake	—	—	—	—	—	11-6072	—
	Exhaust	—	—	—	—	—	11-6073	—

**Manley Stainless Valve** machined from 1-piece forging with a swirl polished finish & chrome plated stem. Sold pairs.

VT No.	Type	Head Dia.	Stem Dia.	OEM
<b>1970-1985</b>				
<b>11-9000</b>	Exh.	1 9/16 stock	.3385 stock	18080-58A
<b>11-9032</b> is stock length from factory.				
<b>11-9032</b>	Int.	1 15/16 stock	.309 stock	18080-70
<b>1958-1969</b>				
<b>11-9000</b>	Exh.	1 9/16 stock	.3385 stock	18080-58A
<b>11-9034</b>	Int.	1 13/16 stock	.309 stock	18070-58
<b>883 Evolution 1986-2003</b>				
<b>11-9083</b>	Exh.	1.345 stock	.3095 stock	18030-86
<b>11-9080</b>	Int.	1.585 stock	.3105 stock	18031-86
<b>1200 Evolution 1988-2003</b>				
<b>11-6093</b>	Int.	1.715 stock	.3105 stock	18023-87



## One Piece Valve