



## Ordering Instructions AT100, AP100, & AP100FM

White Knight Pumps have many options and configurations to make them as versatile as possible for our customers. With this versatility comes the trouble of a part numbering system that makes it reasonably easy to order pumps, retrieve part numbers and recognize the numbers as pumps are in the field. For this reason, we have devised the following part numbering system.

All White Knight pump part numbers will begin with the model number (in this case AT100, AP100, or AP100FM). The prefix will then be followed by a series of letters and or numbers. Each letter or number will designate the configuration of a certain part of the pump.

The following is a list of those areas, their options, and the letter or number specifying the specific option. Choose an option for each of the 12 spaces and add the appropriate value to the Pump List Price. The standard dash letters are in large bold type.

AT100 \_\_\_\_\_  
 AP100FM- - \_\_\_\_\_  
 AP100- - \_\_\_\_\_

Area:	Option:	Letter:
<b>Check Valve Configuration</b> (first number of suffix optional)	<b>Ball, PTFE</b> High-Flow Ball, Co-Polymer <sup>1</sup>	<b>2</b> 3
	<sup>1</sup> (Option 3 is not available for the AT100)	
<b>Liquid Inlet Configuration</b> (first letter of suffix)	<b>Front, Straight</b> Front, Ell Front Straight Catcher II Prefilter	<b>A</b> B C
<b>Liquid Outlet Configuration</b> (second letter)	<b>Front, Straight</b> Front, Ell Top, Straight Top, Ell	<b>A</b> B C D
<b>Liquid Inlet Connection Style</b> (third letter)	<b>3/4" Synchro-Flare</b> 1/2" Synchro-Flare 1" Synchro-Flare 1/2" fnpt 3/4" fnpt 1" fnpt	<b>A</b> B C D E F

1/2" Kurabo Finalock®*	J
3/4" Kurabo Finalock®*	K
1" Kurabo Finalock®*	L
1/4" Tubing Out	M
1/2" Tubing Out	N
3/4" Tubing Out	O
Blank	P

(This is not an NPT or any other standard. A fitting provided by White Knight Fluid Handling, INC is required in order to make any connection to the pump)

1/2" Flaretek® Compatible	Q
3/4" Flaretek® Compatible	R
1" Flaretek® Compatible	S
1/2" PureBond®	T
3/4" PureBond®	U
1" PureBond®	V
1/2" Pillar Super 300®	W
3/4" Pillar Super 300®	X
1" Pillar Super 300®	Y
1" Tubing Out	Z
1 1/4" Tubing Out	1A
1 1/4" Flaretek® Compatible	1B
1 1/4" Pillar Super 300®	1C
3/4" SMC LQ3®	1D
1" SMC LQ3®	1E

\*These options require the appropriate nut and ferrule and are NOT supplied by White Knight Fluid Handling, INC

<b>Liquid Outlet Connection Style</b> (fourth letter)	<b>3/4" Synchro-Flare</b>	<b>A</b>
	1/2" Synchro-Flare	B
	1" Synchro-Flare	C
	1/2" fnpt	D
	3/4" fnpt	E
	1" fnpt	F
	1/2" Kurabo Finalock®*	J
	3/4" Kurabo Finalock®*	K
	1" Kurabo Finalock®*	L
	1/4" Tubing Out	M
	1/2" Tubing Out	N
	3/4" Tubing Out	O
	Blank	P

(This is not an NPT or any other standard. A fitting provided by White Knight Fluid Handling, INC is required in order to make any connection to the pump)

1/2" Flaretek® Compatible	Q
3/4" Flaretek® Compatible	R
1" Flaretek® Compatible	S
1/2" PureBond®	T
3/4" PureBond®	U
1" PureBond®	V
1/2" Pillar Super 300®	W

3/4" Pillar Super 300®	X
1" Pillar Super 300®	Y
1" Tubing Out	Z
1 1/4" Tubing Out	1A
1 1/4" Flaretek® Compatible	1B
1 1/4" Pillar Super 300®	1C
3/4" SMC LQ3®	1D
1" SMC LQ3®	1E

\*These options require the appropriate nut and ferrule and are NOT supplied by White Knight Fluid Handling, INC

<b>Air Supply Inlet Connection Style</b>	<b>1/4" fnpt ell</b>	<b>A</b>
(fifth letter)	1/4" fnpt Straight	B
	3/8" fnpt ell	C
	3/8" fnpt Straight	D

<b>Shuttle Valve Type</b>	<b>Ceramic</b>	<b>A</b>
(sixth letter)	Ceramic w/Internal Mufflers <sup>2</sup>	C
	PTFE Ceramic w/Internal Mufflers <sup>1,2</sup>	D
	No Shuttle <sup>3</sup>	E

<sup>1</sup> (Option D is only applicable for the AP100)

<sup>2</sup> (please note that if selecting option C or D then the Muffler Type MUST be "B", "H" or "M")

<sup>3</sup>(please note that if selecting option E then the Muffler Type MUST be "H")

<b>Muffler Type</b>	<b>Adjustable</b>	<b>A</b>
(seventh letter)	Non-Adjustable	B
	Adjustable W/PTFE Deflectors	C
	Adjustable W/Polypro Deflectors	D
	Non-Adjustable W/PTFE Deflectors	E
	Non-Adjustable W/Polypro Deflectors	F
	Whisper™ Adjustable W/O Deflectors	G
	Whisper™ Non-adjust W/O Deflectors	H
	Whisper™ Adjust W/ PTFE Deflectors	I
	Whisper™ Adjust W/ PolyPro Deflectors	J
	Whisper™ Non-adjust W/ PTFE Deflectors	K
	Whisper™ Non-adjust W/ Polypro Deflect.	L
	Whisper™ Non-adjust W/ Remote Exhaust <sup>1</sup>	M

<sup>1</sup> (Remote Exhaust is only available with internal muffler design, option "C" or "D" on Shuttle)

<b>Pulse Dampener</b>	<b>No Pulse Dampener</b>	<b>A</b>
(eighth letter)	EQ100 (Air-run) Pump mount	B
	EQ100 (Air-run) In-line <sup>1</sup>	C
	SL100 (Passive) In-line <sup>1</sup>	D
	<sup>1</sup> (fittings same as pump outlet)	

**Note:** The following items are optional. However if ANY ONE item is selected, ALL must be included in the part order number. For example, if Leak Detection is desired but not Stroke Detection, then Stroke Detection must be noted as option "A". If none are required then the part order number may be

submitted without any of these letters.

<b>Stroke Detection</b>	<b>No Stroke Detection</b>	<b>A</b>
(ninth letter optional )	Fiber Optic (PNP) Sourcing	B
	Fiber Optic (NPN) Sinking	C
	Fiber Optic (No sensors)	D
	Solid State Pressure Switch	E
	Fiber Optic (Ports only)	F
	Dual Solid State Pressure Switch <sup>1</sup>	G

<sup>1</sup> (please note that option “G” is only available when choosing option “E” on shuttle valve type)

<b>Leak Detection</b>	<b>No Leak Detection</b>	<b>A</b>
(tenth letter optional )	Fiber Optic (PNP) Sourcing	B
	Fiber Optic (NPN) Sinking	C
	Fiber Optic (No sensors)	D
	Fiber Optic (Ports only) <sup>1</sup>	E
	Fiber Optic Ports W/ Leak Detect Adapter	F
	Conductivity <sup>2</sup>	G

<sup>1</sup> (Ports are only required for internal muffler shuttle design, option C & D on shuttle valve type )

<sup>2</sup> (Should not be used for explosion proof environment)

<b>Base Plate</b>	<b>Standard</b>	<b>A</b>
(eleventh letter optional)	Lever Lock Base plate	B
	(Lever Lock Base not available for AT Series)	

<b>Old rev level</b>	Specify rev level	A
(twelfth letter optional)		

(This option is added for customers requiring Copy Exact due to their ISO specifications. Pumps ordered without the eleventh letter will be shipped the latest revision)

## Order Notes

For example, an AT100 with straight front inlet, Top Straight outlet, ½”Synchro-Flare inlet, ¾” Synchro-Flare outlet, 3/8 fntpt straight air inlet, Ceramic shuttle valve, Adjustable Mufflers, and no Pulse Dampener, no stroke Detection, no Leak Detection, and Standard Base Plate, would be ordered as follows: AT100-ACBACAAAAAA. An AP100 with the same configuration would be ordered as follows: AP100-ACBACAAAAAA. An AP100FM with the same configuration would be ordered as follows: AP100FM-ACBACAAAAAA.

Standard for White Knight AP100s, AP100FMs, and AT100s is inlet straight front, outlet straight front, inlet ¾” Synchro-Flare, outlet ¾” Synchro-Flare, Ceramic Shuttle Valve, Adjustable Mufflers, Air Supply Inlet ¼” fntpt ell, no Pulsation Dampener, no Leak Detection, no Stroke Detection, and Standard Base Plate. An AP100, AP100FM, or AT100 ordered with no suffix lettering would be delivered to the standard configuration (AP100-AAAAAAAAAAAA, AP100FM-AAAAAAAAAAAA, or AT100-AAAAAAAAAAAA).

We have added an optional numerical option to the beginning of the part number which signifies the type of check valve desired with the pump. If no numeral is placed at the beginning of the part number then the pump will be shipped with the default or standard check valve which is the PTFE Ball check valve or option “2”. A standard pump with High Flow check valves would be ordered with the following part number AP100-3-AAAAAAAAAAAA, AP100FM-3-AAAAAAAAAAAA. The AT100 does not have the option of a High Flow Check Valve.

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