



Ordering Instructions AT50, AP50, and AP50FM

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 AT50, AP50, or AP50FM). The prefix will then be followed by a series of letters (numbers were used in the previous randomly selected part numbers so letters are used now to avoid confusion). Each letter will designate the configuration of a certain part of the pump.

The following is a list of those areas, their options, and the letter specifying the specific option. Choose an option for each of the 8 spaces and add the appropriate value to the Pump List Price. The standard dash letters are in large bold type.

AT50- _____

AP50FM- _____

AP50- _____

Area:	Option:	Letter:
Liquid Inlet Configuration (first letter of suffix)	Front, Straight	A
	Front, Ell	B
	Front Straight Catcher II Prefilter	C
Liquid Outlet Configuration (second letter)	Front, Straight	A
	Front, Ell	B
	Top, Straight	C
	Top, Ell	D
Liquid Inlet Connection Style (third letter)	1/2" Synchro-Flare®	A
	1/4" Flaretek® Compatible	B
	3/4" Synchro-Flare®	C
	1/4" fnpt	D
	1/2" fnpt	E
	3/4" fnpt	F
	3/8" Kurabo Finalock®*	J
	1/2" Kurabo Finalock®*	K

3/4" 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)

3/8" Synchro Flare	Q
3/8" Flaretek® Compatible	R
1/2" Flaretek® Compatible	S
3/4" Flaretek® Compatible	T
3/8" Tubing Out	U
1/2" PureBond®	V
3/4" PureBond®	W
3/8" fnpt	X
1/2" Pillar Super 300®	Y
3/4" Pillar Super 300®	Z

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

Liquid Outlet Connection Style (fourth letter)	1/2" Synchro-Flare	A
	1/4" Flaretek® Compatible	B
	3/4" Synchro-Flare	C
	1/4" fnpt	D
	1/2" fnpt	E
	3/4" fnpt	F
	3/8" Kurabo Finalock®*	J
	1/2" Kurabo Finalock®*	K
	3/4" 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)

3/8" Synchro Flare	Q
3/8" Flaretek® Compatible	R
1/2" Flaretek® Compatible	S
3/4" Flaretek® Compatible	T
3/8" Tubing Out	U
1/2" PureBond®	V
3/4" PureBond®	W
3/8" fnpt	X
1/2" Pillar Super 300®	Y
3/4" Pillar Super 300®	Z

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

Air Supply Inlet Connection Style (fifth letter)	1/4" fnpt ell	A
	1/4" fnpt Straight	B

	3/8" fnpt ell	C
	3/8" fnpt Straight	D
	1/8" fnpt ell	E
	1/8" fnpt straight	F
Shuttle Valve Type	Ceramic	A
(sixth letter)	Ceramic w/Internal Mufflers ²	C
	PTFE Ceramic w/Internal Mufflers ^{1,2}	D
	No Shuttle ³	E

¹(Option D is only applicable for the AP50)

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

³(please note that if selecting option E then the Muffler Type MUST be "N")

Muffler Type	Adjustable	A
(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 Deflctrs	K
	Whisper™ Non-adjust W/ Polypro Deflect.	L
	Whisper™ Non-adjust W/ Remote Exhaust ¹	M
	Molded 1/8" PolyPro Muffler ²	N

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

²(Available ONLY without a Shuttle)

Pulse Dampener	No Pulse Dampener	A
(eighth letter)	SS50 (Air-run) Pump mount	B
	SS50 (Air-run) In-line ¹	C

¹(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 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.

Stroke Detection	No Stroke Detection	A
(ninth letter optional)	Fiber Optic (PNP) Sourcing ¹	B
	Fiber Optic (NPN) Sinking ¹	C

Fiber Optic (No sensors) ¹	D
Solid State Pressure Switch	E
Fiber Optic (Ports only) ¹	F
Dual Solid State Pressure Switch ²	G

¹ Fiber Optic Stroke Detection NOT Available for AT50

² (please note that option “G” is only available when choosing option “E” on shuttle valve type)

Leak Detection

(tenth letter optional)

No Leak Detection	A
Fiber Optic (PNP) Sourcing	B
Fiber Optic (NPN) Sinking	C
Fiber Optic (No sensors)	D
Fiber Optic (Ports only) ¹	E
Fiber Optic Ports W/ Leak Detect Adaptr	F
Conductivity ²	G

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

² Should not be used for explosion proof environment

Base Plate

(eleventh letter optional)

Standard	A
Lever Lock Base plate	B
(Lever Lock Base plate not available for AT Series)	

Old rev level

(twelfth letter optional)

Specify rev level	A
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(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 AT50 with straight front inlet, Top Straight outlet, 3/4” Synchro-Flare inlet, 1/2” Synchro-Flare outlet, 3/8 fnt straight air inlet, Ceramic shuttle valve, Adjustable Mufflers, no Pulse Dampener, no Stroke Detection, no Leak Detection, and Standard Base Plate, would be ordered as follows: AT50-ACCADAAAAAA. An AP50 with the same configuration would be ordered as follows: AP50-ACCADAAAAAA. An AP50FM with the same configuration would be ordered as follows: AP50FM-ACCADAAAAAA.

Standard for White Knight AP50s, AT50s, and AP50FMs is inlet straight front, outlet straight front, inlet 1/2” Synchro-Flare, outlet 1/2” Synchro-Flare, Ceramic Shuttle Valve, Adjustable Mufflers, Air Supply Inlet 1/4” fnt ell, no Pulsation Dampener, no Stroke Detection, no Leak Detection, and Standard Base Plate. An AP50, AT50, or AP50FM ordered with no suffix lettering would be delivered to the standard configuration (AP50-AAAAEAAA, AT50-AAAAEAAA, or AP50FM-AAAAEAAA)

All previously assigned part numbers from the old randomly selected part number method will still be valid and will continue to be recognized by White Knight. But, hopefully this will eliminate some of the confusion that we have experienced in the past and make it more reasonable for our customers to select options and be assured of what they are getting.

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