



### Ordering Instructions AP40EXT3

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 AP40EXT3). 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. An additional 3 letters are also available for leak detection, stroke detection, and optional base-plate.

AP40EXT3- \_\_\_\_\_

Area:	Option:	Letter:
<b>Liquid Inlet Configuration</b> (first letter of suffix)	<b>Front, Straight</b>	<b>A</b>
	Front, Ell	B
	Front Straight CatcherII Prefilter	C
	(This option requires Option "A" for the third letter)	
<b>Liquid Outlet Configuration</b> (second letter)	<b>Front, Straight</b>	<b>A</b>
	Front, Ell	B
	Top, Straight	C
	Top, Ell	D
<b>Liquid Inlet Connection Style</b> (third letter)	<b>1/2" Synchro-Flare®</b>	<b>A</b>
	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 1/2" Synchro-Flare A**

(fourth letter)

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 1/4" fnpt ell A**

(fifth letter)

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
<b>Shuttle Valve Type</b> (sixth letter)	<b>Ceramic w/Internal Fittings</b>	<b>A</b>
	No Shuttle <sup>1</sup>	B
<b>Muffler Type</b> (seventh letter)	<b>Whisper™ Non-adjust</b>	<b>A</b>
	W/ Remote Exhaust	B
<b>Pulse Dampener</b> (eighth letter)	<b>No Pulse Dampener</b>	<b>A</b>
	SS50 (Air-run) Pump mount	B
	SS50 (Air-run) In-Line <sup>1</sup>	C

<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 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> (ninth letter optional)	<b>No Stroke Detection</b>	<b>A</b>
	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> (tenth letter optional)	<b>No Leak Detection</b>	<b>A</b>
	Fiber Optic (PNP) Sourcing	B
	Fiber Optic (NPN) Sinking	C
	Fiber Optic (No sensors)	D
	Fiber Optic (Ports only)	E
	(Ports are only required for internal muffler design)	
	Fiber Optic Ports W/ Leak detect	F
	Conductivity <sup>1</sup>	G

<sup>1</sup>Should not be used for explosion proof environment

<b>Base Plate</b> (eleventh letter optional)	Standard	A
	<b>Lever Lock Base plate</b>	<b>B</b>

Old rev level  
(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 AP40EXT3 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: AP40EXT3-ACCADAAAAAA.

Standard for White Knight AP40EXT3 is inlet straight front, outlet straight front, inlet 1/2" Synchro-Flare, outlet 1/2" Synchro-Flare, Ceramic Shuttle Valve, Whisper Non-adjustable Mufflers, Air Supply Inlet 1/4" fnt ell, no Pulsation Dampener, no Stroke Detection, no Leak Detection, and Lever Lock Base Plate. An AP40EXT3 ordered with no suffix lettering would be delivered to the standard configuration (AP40EXT3-AAAAAAA)

**187 E. 670 S. • Kamas, UT 84036**  
**Phone (435)783-6040 • Fax (435) 783-6128**  
**Toll Free 1-888-SYNCHRO (1-888-796-2476)**  
**[WWW.Whiteknightpumps.com](http://WWW.Whiteknightpumps.com)**