Ordering Instructions X50

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 X50). 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 11 spaces and add the appropriate value to the Pump List Price. The standard dash letters are in large bold type.

X50-___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___
X50-1 (This part number includes all default options shown in bold)

Area:	Option:	Letter:
Liquid Inlet Configuration	**Front, Straight**	**A**
(first letter of suffix)	Front, Ell	B
	Front Straight Catcher II Prefilter	C
Liquid Outlet Configuration	**Front, Straight**	**A**
(second letter)	Front, Ell	B
	Top, Straight	C
	Top, Ell	D
Liquid Inlet Connection Style	1/2" Synchro-Flare®	A
(third 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

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

Effective September 1, 2011

1/8" fnpt ell		E
1/8" fnpt straight		F

Shuttle Valve Type

(sixth letter)

Ceramic	**A**
No Shuttle[1]	B

[1] (please note that if selecting option B then the Muffler Type MUST be "B")

Muffler Type

(seventh letter)

Adjustable	A
Non-Adjustable	**B**
Non-adjust W/ Remote Exhaust	C

Pulse Dampener

(eighth letter)

No Pulse Dampener	**A**
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, the 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

(ninth letter)

No Stroke Detection	**A**
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 NPN[1]	G
Dual Solid State Pressure Switch PNP[1]	H

[1] (please note that options "G" and "H" are only available when choosing option "B" on shuttle valve type)

Leak Detection

(tenth letter)

No Leak Detection	**A**
Fiber Optic (PNP) Sourcing	B
Fiber Optic (NPN) Sinking	C
Fiber Optic (No sensors)	D
Fiber Optic Ports W/ Leak Detect Adapter	F
Conductivity[1]	G

[1](Should not be used for explosion proof environment)

Old rev level

(eleventh letter optional)

Specify rev level	A

(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)

Effective September 1, 2011

Order Notes

For example, an X50 with straight front inlet, Top Straight outlet, ¾" Synchro-Flare inlet, ½" Synchro-Flare outlet, 3/8 fnpt straight air inlet, Ceramic shuttle valve, Non-Adjustable Mufflers, no Pulse Dampener, no Stroke Detection, and no Leak Detection would be ordered as follows: X50-ACCADABAAA.

An X50 ordered with suffix lettering of simply "–1" (X50-1) would be delivered to the standard configuration (X50-AAEEBABAAA). Standard for White Knight X50s is inlet straight front, outlet straight front, inlet ½" fnpt, outlet ½" fnpt, Air Supply Inlet ¼" fnpt straight, Ceramic Shuttle Valve, Non-Adjustable Mufflers, no Pulse Dampener, no Stroke Detection and no Leak Detection.