



# WHITE KNIGHT™

## Ordering Instructions PL30

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 PL30). The prefix will then be followed by a series of letters and/or numbers. Each letter and/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 and/or number specifying the specific option. Choose an option for each of the spaces and add the appropriate value to the Pump List Price. The standard dash letters are in large bold type.

**PL30-** \_\_\_ - \_\_\_ - \_\_\_ - \_\_\_ - \_\_\_ - \_\_\_ - \_\_\_

(Last Four Letters are Optional)

<b>Area:</b>	<b>Option:</b>	<b>Letter:</b>
<b>Check Valve Configuration</b> (first number of suffix)	<b>Ball, PTFE</b> High-Flow Ball, Modified PTFE	<b>2</b> 3
<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)	1/2" Synchro-Flare® 1/4" Flaretek® Compatible 3/4" Synchro-Flare® 1/4" fnpt 1/2" fnpt 3/4" fnpt 3/8" Kurabo Finalock®* 1/2" Kurabo Finalock®* 3/4" Kurabo Finalock®* 1/4" Tubing Out	A B C D E F J K L 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
<b>1/2" Flaretek®</b>	S
<b>Compatible</b>	
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
<b>1/2" Flaretek®</b>	S
<b>Compatible</b>	
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.

**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>Shuttle Valve Type</b> (fifth letter optional)	<b>External Shuttle</b>	<b>A</b>
	No Shuttle Valve	C
	External Shuttle W/Remote Exhaust	D
	External Shuttle W/Air Purge Port	F
	No Shuttle Valve W/Air Purge Port	H
	External Shuttle W/Remote Exhaust W/ Air Purge Port	I

<b>Pulse Dampener</b> (sixth letter optional)	<b>No Pulse Dampener</b>	<b>A</b>
	SS50 (Air-run) Pump mount	B
	SS50 (Air-run) In-line <sup>1</sup>	C

<b>Stroke Detection</b> (seventh letter optional )	<b>No Stroke Detection</b>	<b>A</b>
	Single Fiber Optic (PNP) Sourcing	B
	Single Fiber Optic (NPN) Sinking	C
	Single Fiber Optic (No sensors)	D
	Dual Fiber Optic (PNP) Sourcing	E
	Dual Fiber Optic (NPN) Sinking	F
	Dual Fiber Optic (No sensors)	G
	Solid State Pressure Switch	H
	Single Probe Dual Detect(PNP) Sourcing	I
	Single Probe Dual Detect (NPN) Sinking	J
	Single Probe Dual Detect (No sensors)	K
	Single Probe Dual Detect (No probe/sensors)	L
	Dual Solid State Pressure Switch	N

(Standard Length of fiber is 10', for Custom length add "-FiberXXfeet" to the end of the part number, In place of XX insert the custom length of up to 25', the price increase for this is \$107.00 per fiber. For example PL60-AARRAAGD-Fiber25feet)

<b>Leak Detection</b> (eighth 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
	Conductivity <sup>1</sup>	E

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

(Standard Length of fiber is 10', for Custom length add "-FiberXXfeet" to the end of the part number, In place of XX insert the custom length of up to 25', the price increase for this is \$107.00 per fiber. For example PL60-AARRAAGD-Fiber25feet)

<b>Old rev level</b> (ninth 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)	<b>Specify rev level</b>	<b>A</b>
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## Order Notes

For example, a PL30 with straight front inlet, Top Straight outlet,  $\frac{3}{4}$ " Synchro-Flare inlet,  $\frac{1}{2}$ " Synchro-Flare outlet, External shuttle valve, no Pulse Dampener, no Stroke Detection, no Leak Detection, would be ordered as follows: PL30-ACCA-DAAA.

Standard for White Knight PL30 is inlet straight front, outlet straight front, inlet  $\frac{1}{2}$ " Flaretek, outlet  $\frac{1}{2}$ " Flaretek, External Shuttle Valve, no Pulsation Dampener, no Stroke Detection, and no Leak Detection. A PL30 ordered with no suffix lettering would be delivered to the standard configuration (PL30-AASSAAAA).

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 Modified PTFE Ball check valves would be ordered with the following part number PL30-3-AASSAAAA.

**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)**