



Selling Points for HPX Series

HPX systems – Selling Points.

- ❖ The HPX series is a totally self-contained hydra-pneumatic cylinder designed to produce from 1,000 – 60,000 Lbs. [4.4kN – 266kN] of force using 30 - 100PSI [6.8bar] plant air supply.
- ❖ HyperCyl HPX cylinders come with a Limited Lifetime warranty and will operate in any position or attitude.
- ❖ High speed operation for Fast Approach, Controlled High Pressure Stroke for a precise press action.
- ❖ Total Strokes up to 28", Power Strokes up to 2" with endless stroke configurations available per application needs. Longer strokes obtainable with HPX *within a shorter, more compact profile reducing the overall footprint of a given cell versus HPS.*
- ❖ Adjustable Output force/distance control features.
 - Stacking Regulator/Precision Regulator to limit PSI @ HP valve
 - Pressure Switch/Transducer to regulate internal Hyd. Pressure
 - Optional Load Cell (Strain Gage type)
 - Optional External LVDT (linear transducer) with analog, IO-Link, 4-20mA output.
- ❖ Offers a clean, quiet, compact alternative to conventional hydraulic systems for use in a wide variety of applications.
- ❖ Requires only two (2) pneumatic 4-way directional control valves to operate the cylinder.
- ❖ Unlike hydraulic or pneumatic cylinders, HyperCyl provides a reduced contact force with the work surface without additional controls.
- ❖ Any strokes ABOVE 8.00" (so 10", 12", 14", etc.) the HPX units are far superior with a smaller footprint. Any Power Strokes that are 1.50" or longer the HPX unit again is ideal to minimize cell imprint.
- ❖ **DRAWBACKS AND LIMITATIONS TO HPX –**
 - Cannot add the –TSL to HPX.
 - Cannot add the –LT to HPX (internal LVDT, used on HPS and HPT).
 - Limited to 30-Tons MAX for now, but do not let that stop you from entertaining higher tonnages with longer strokes using the HPX.

HyperCyl® "Speed, Precision, Power"

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