

NOPAK[®] AIR HOISTS

Excellent device for lifting loads in areas where no flow of electricity can be tolerated. Lift, hold and lower strictly with shop air.

- **WIDE CHOICE OF LIFTING CAPACITIES**

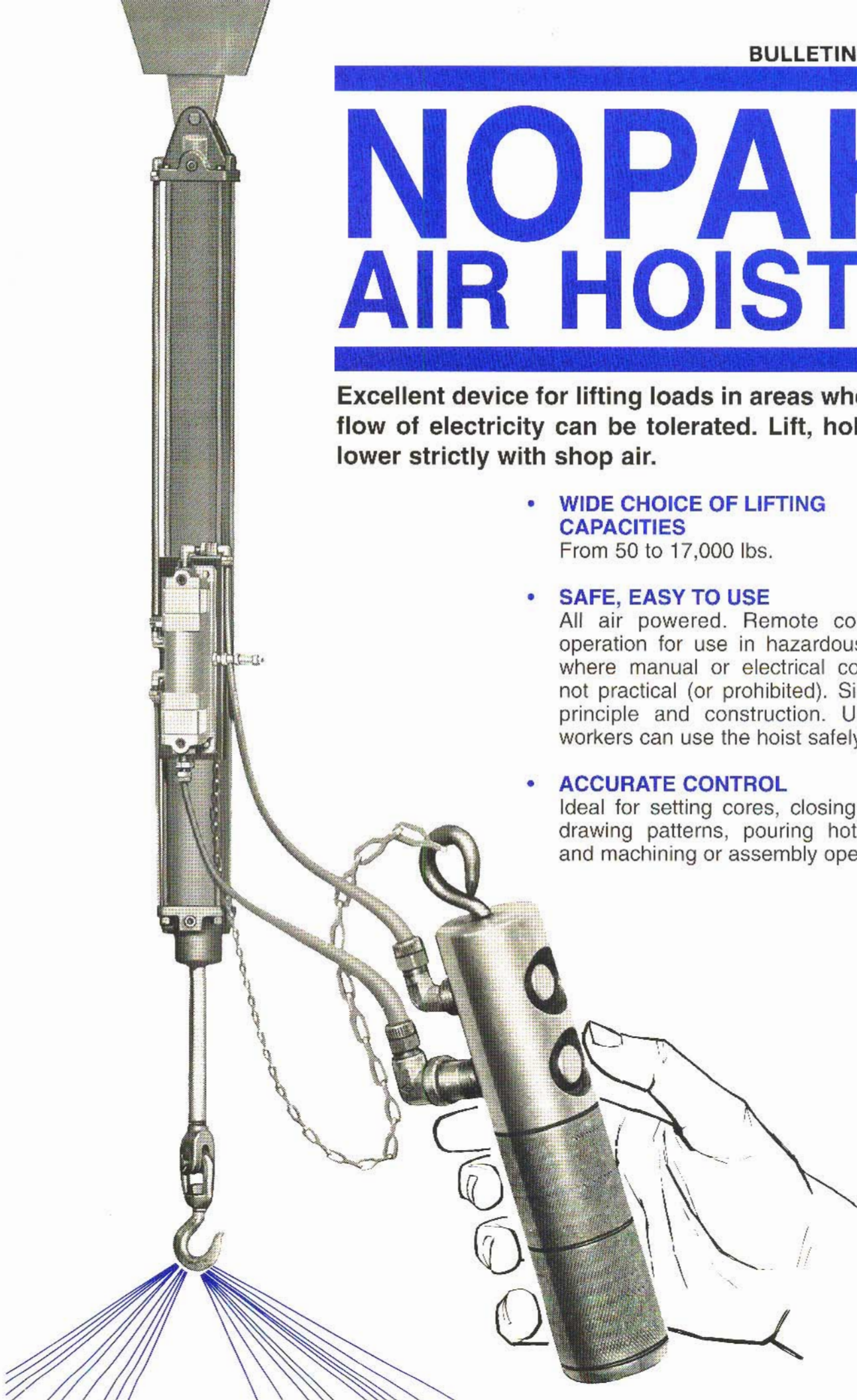
From 50 to 17,000 lbs.

- **SAFE, EASY TO USE**

All air powered. Remote controlled operation for use in hazardous areas where manual or electrical control is not practical (or prohibited). Simple in principle and construction. Unskilled workers can use the hoist safely.

- **ACCURATE CONTROL**

Ideal for setting cores, closing molds, drawing patterns, pouring hot metal, and machining or assembly operations.



NOPAK AIR HOISTS

NOPAK Air Hoists are a unique assembly of our standard Class 1 cast head cylinders and operating valves. The control valves can be either conventional 4-way disc valves assembled with cross-bar and pull-chains (Model CL) or V-valves, pilot operated with remote push buttons (Model PB).

Hoists are available piped to operate as conventional double acting cylinders (shown as Standard Hoist), in which line pressure is admitted to each side of the piston alternately.

They can also be piped as a Balanced Hoist in which the rod end of the cylinder is under constant pressure while the blank end is subject to a variation of pressure. The force of the hoist is equal to the difference between the pressures on opposite sides of the piston. The hoist's movement therefore depends on the air pressure applied to the blank end of the cylinder.

The air hoist (Model CL) incorporating the disc valve with cross arm lever is actuated by pull chains on each end of the lever. Pulling on one chain or the other, raises or lowers the load. The lever is normally spring centered to neutral or holding opposition.

While the speed of the hoist can be varied by the amount of valve opening, uniform controlled speed over the entire stroke can be obtained by insertion of NOPAK Flotrol

speed control valves between the exhausting cylinder head port and the four way valve.

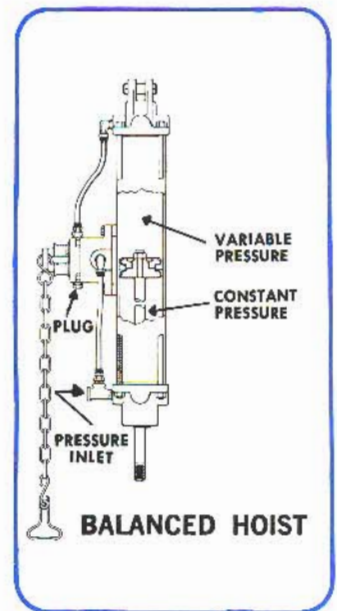
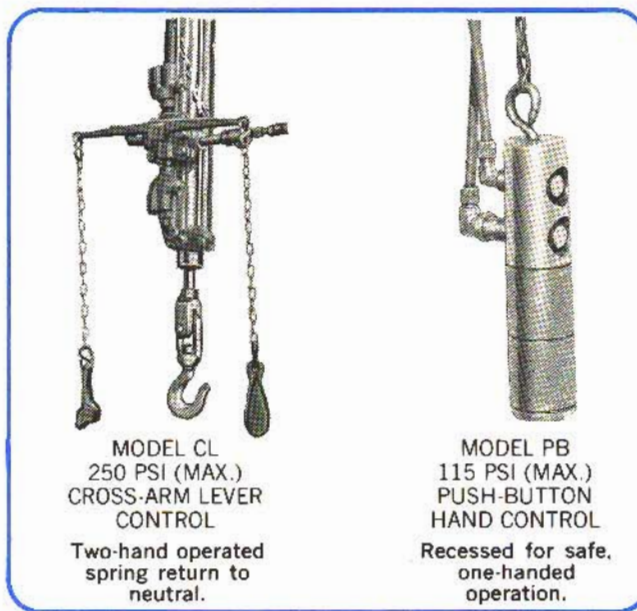
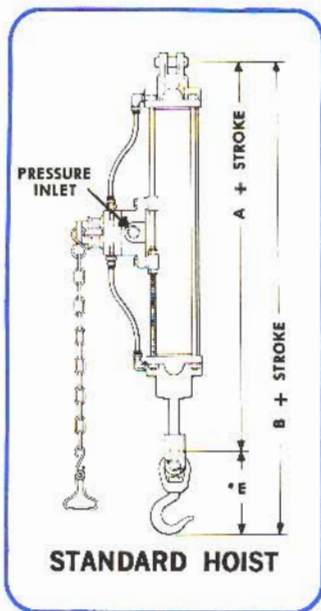
The right hand photo below shows NOPAK's unique Dual Pushbutton Single Hand Control Air Hoist. The control unit, suspended on a chain, is normally located at the level of the cylinder lifting hook in the retracted position.

There are four major advantages of this hoist:

1. Extremely sensitive control permits accurate positioning of the load or work.
2. Flexibility of control point location allows remote operation away from the load.
3. Accidental hoist operation is prevented. The control handle recessed push buttons cannot be accidentally bumped.
4. The control's single handed operation frees one hand to perform other operations such as guiding the load, etc.

"All-air-operated" hoists virtually eliminate sparking hazards in areas or atmospheres that require explosion-proof components.

Inadvertent overloading and stalling of an air hoist cannot damage the internal components of the hoist.



DIMENSIONS — STANDARD AND BALANCED HOISTS							
Cyl. Dia.	Rod Dia. B-1 (Std. Hoist)	Rod Dia. OB-3 (Balanced Hoist)	Piston Rod End Threading	A + Stroke	B + Stroke	E	Clevis*
2-1/2"	3/4	1	3/4"-16	8-5/8	14-3/8	5-3/4	1788.L46
3"	3/4	1	3/4"-16	8-7/8	14-5/8	5-3/4	1788.L46
4"	1	1-1/4	1"-14	10-3/4	16-3/4	6	1789.L46
5"	1	1-1/4	1"-14	10-7/8	16-7/8	6	1789.L46
6"	1-1/4	1-1/2	1-1/4"-12	12-3/4	18-7/8	6-1/8	1790.L46
8"	1-3/4	1-3/4	1-3/4"-12	16-1/4	24-3/4	8-1/2	1791.L07
10"	2	2-1/4	2"-12	17-3/4	26-3/8	8-5/8	1792.L08
12"	2-1/2	2-3/4	2-1/2"-12	21-3/4	34-1/2	12-3/4	1793.L46
14"	2-3/4	3	2-1/2"-12	22-7/8	35-5/8	12-3/4	1793.L46†

†14" Cyl. with clevis furnished only with B3 rod.
*Hooks and clevises are extra cost and are not furnished unless specifically ordered.

LIFTING CAPACITY (LBS.)					
Standard Air Hoist			Balanced Air Hoist		
PB-CL 80 PSI	PB (Max.) 115 PSI	CL (Max.) 250 PSI	PB-CL 80 PSI	PB (Max.) 115 PSI	CL (Max.) 250 PSI
350	500	1100	330	450	1000
530	750	1650	500	700	1550
940	1350	2900	900	1300	2800
1500	2100	4700	1450	2000	4600
2150	3100	6750	2100	3000	6600
3800	5500	11950	3800	5500	11950
6000	8600	18850	5900	8500	18600
8600	12400	27000	8500	12300	26750
11800	17000	37000	11700	16900	36700



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