

SOFT TOUCH PNEUMATIC CONTROL HANDLES

Easy Press Lever Design Reduces Fatigue



Low Cost and Easy to Use

Gorbel's **Soft Touch Pneumatic Control Handles** are a stand alone product that can be used with any air actuated end effector. These handles are a direct replacement for any standard pneumatic handles used in the market today. Our handles:

- Are engineered for easy use, reducing the potential for fatigue and repetitive stress injuries.
- Offer more flexibility in tooling choices and the ability to customize tooling for applications.
- Cost less than most comparable handles.

Features and Benefits

Spool Valve Makes Levers Easy to Press

- We use a spool valve that requires less force to depress than older, traditional poppet valves. The result? Our lever buttons are easier to press than competitor handles, requiring less than 1.5 lbs of depression force. This reduces fatigue and repetitive stress injuries of the hand and wrist.

Flexible Configuration For Any Application

- Gorbel offers flexible combinations of high flow (to directly power devices such as air balancers, manipulators or any other air powered device) and pilot valves (to control power valves). This makes the Soft Touch Pneumatic Control Handle a direct replacement for any standard use handle.
- Up to 4 levers per handle to fit most of your application needs.

Can Be Used With Any Air Device

- Soft Touch handles control any air-powered device, including pneumatic balancers, hoists, end effectors, etc. made by other manufacturers.

Valve Blocks

The building blocks of our **Soft Touch Pneumatic Control Handles** are the following three pneumatic valves, used alone or in combination.

We offer two basic spring return pilot valves: a single pilot valve and a double pilot valve block. They both provide a pneumatic signal to a power valve to actuate end effector tooling, or any other pneumatically powered equipment.

Single Signal Pilot Valve Block

A typical use for this, when used with end tooling, is a "common" to provide a two button redundant safety release.



Double Signal Pilot Valve Block

Twin set of pilot valves in a single unit. It is often used to control end effector tooling functions such as "clamp" and "unclamp".



Rear Exhausting, Three Port Valve

This valve feeds air directly to air balancers, manipulators, or end effector tooling. Its most common use is the "up" and "down" function of a pneumatic lifting device. It can also be used to control any pneumatically powered equipment for which it is suited.




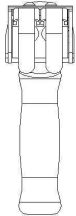
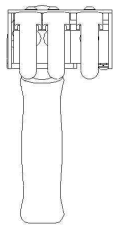
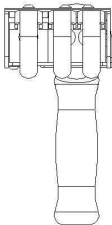
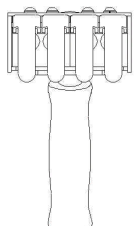
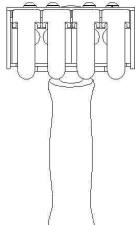
Handle Flexibility

These **Soft Touch Pneumatic Control Handles** share a common handle base with Gorbel's Soft Touch Pendant Handle option. This allows the control block of the G-Force™ control handle to be easily integrated with the single pilot valve blocks of the Pneumatic handle product. This handle combination can be used to control end effector functions and the up/down motion of the G-Force™ on a single handle.

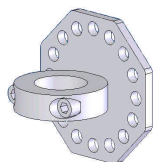
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Handle is comprised of the following:

Levers	Handle Diagram	Part Number	Single Signal Pilot Valve Block	Double Signal Pilot Valve Block	Rear Exhausting, Three Port Valve Block	Weight (lbs)
1		88010	1			2
2		88020		1		
		88030			1	
3		88021	1 (to the right)	1		3
		88031	1 (to the right)		1	
		88120	1 (to the left)	1		
		88130	1 (to the left)		1	
4		88203		1 (on left)	1	4
		88302		1 (on right)	1	
		88202		2		
		88303			2	
		88121	2	1		4
		88131	2		1	

Additional Accessories



Handle Collar Clamps
 We offer easy compression collars to mount the handle to end effectors constructed from round tube.
 • Available to fit most standard tube sizes.
 • May also be used with Gorbel's Up/Down G-Force™ Control Handle