



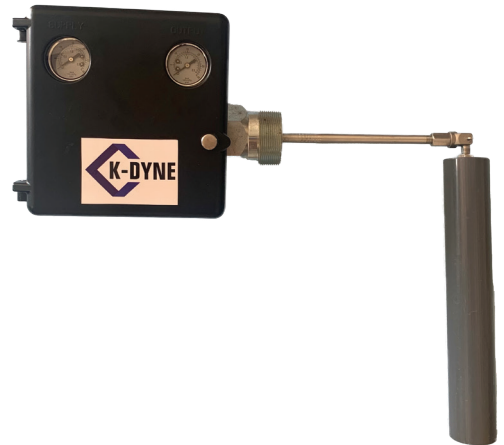
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## L83 Level Controller

The L83 is a rugged, displacer operated liquid level controller that is ideal for use on scrubbers, separators, heaters, or anywhere else a liquid level control is needed. Its industry-proven force balance design allows for control gas/liquid as well as liquid/liquid interfaces.

The L83 can be mounted on the left- or right-hand side and can be set up for direct or reverse acting. It's available with an easily replaceable snap or throttling pilot for pneumatic control.

The snap pilot is available with a soft seat option control and a NACE option is also available for sour service.



## Specifications

Sizes:

Threaded: 1 1/2" and 2"

Pressure Rating:

Threaded: 6000 psi

Temperature Range:

-50°F to 400°F (varies by material selections)

Pilot Connection: 1/4" NPT

Pilot Max Pressure Limited by Gauges

Materials:

Body: A105, LF2 (low temp option), SST

Body Trim: 303 Stainless and 316 Stainless (optional)

Pilot Body: Aluminum

Pilot Trim: 303 Stainless

Case: Aluminum

Case Internals: 303 Stainless

Displacer: PVC (standard), Acrylic, Stainless

Minimum Fluid Specific Gravities		
Displacer Orientation	Snap Pilot	Throttle Pilot
Vertical	0.21	0.42
Horizontal	0.28	0.56

Temperature Limits for Displacer and Seal Combinations						
Displacers	PVC		Acrylic		Standard Steel	
	°F	°C	°F	°C	°F	°C
Low Temp Buna	-50 to 140	-46 to 60	-50 to 180	-46 to 82	-50 to 225	-46 to 107
Viton®	-20 to 140	-29 to 60	-20 to 200	-29 to 93	-20 to 400	-29 to 204



# K-Dyne Level Controller - L83

L83 - 2NLD - 1V - PH12 - T1

(-) Standard Option N - NACE Option
Connection Size 1 - 1.5" 2 - 2"
Connection N- NPT
Mounting / Action LD - Left Hand / Direct LR - Left Hand / Reverse RD - Right Hand / Direct RR - Right Hand / Reverse
MATERIAL (BODY / TRIM) 1 - CS/303SS 2 - 316SS
SEALS V - VITON L - Low Temp Buna
Displacer Material P - PVC A - Acrylic S - Stainless
Displacer Orientation V - Vertical H - Horizontal
Arm Code 12 - 12" 15 - 15" 0 - Other Options
Pilot S - Snap NB - Sure Seal No Bleed Snap T - Throttle
Gauges 1 - 0-30 Brass 2 - 0-60 Brass 3 - 0-30 Stainless 4 - 0-60 Stainless

## Pneumatic level Controller

2" NPT, Left Hand Direct, CS/303SS, Viton Seals  
PVC Displacer, 12" Horizontal Arm, Throttle w/ 0-30 Brass Gauges

## Machined to Perfection:

- Powder Coated Case
- Zinc Plated Body
- 316SS Bearings and Blocks
- Standard Viton Seals
- T-12 Machined Parts (not cast)
- 303SS Displacer Arms
- PVC, Acrylic, or 316SS Displacer Options
- Various options available for corrosive, sour, or low temperature service

