

# Series VEDL inline ejectors

Vacuum compact ejectors in technopolymer without moving parts, based on the Venturi principle, used for direct installation on suction pads. Available in two sizes with internal nozzle of 0,5 and 0,7 mm and with suction rate from 8 to 16 l/min.

SERIES VEDL INLINE EJECTORS



- » No moving parts for long life and maintenance
- » Easy and fast installation directly at the gripping point
- » Optimized dimensions
- » Reduced weight, 5 g only, ideal for dynamic applications
- » Low air consumption

Generally, these vacuum compact ejectors are used for direct installation inline between the suction pad and compressed air supply. This substantially reduces the volume to be evacuated and allows therefore shorter cycle times.

## GENERAL DATA

<b>Description</b>	Inline ejectors
<b>Materials</b>	- body in technopolymer - internal nozzle in brass

## CODING EXAMPLE

<b>VEDL</b>	-	<b>05</b>	-	<b>T1</b>
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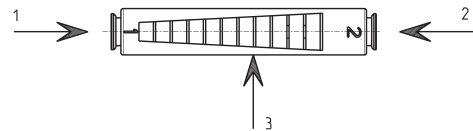
<b>VEDL</b>	SERIES VEDL = Vacuum ejector
<b>05</b>	NOZZLE DIAMETER 05 = 0,5 mm 07 = 0,7 mm
<b>T1</b>	TYPE OF CONNECTION (ON SUPPLY SIDE) T1 = plier - tube $\varnothing 4$

## TECHNICAL DATA



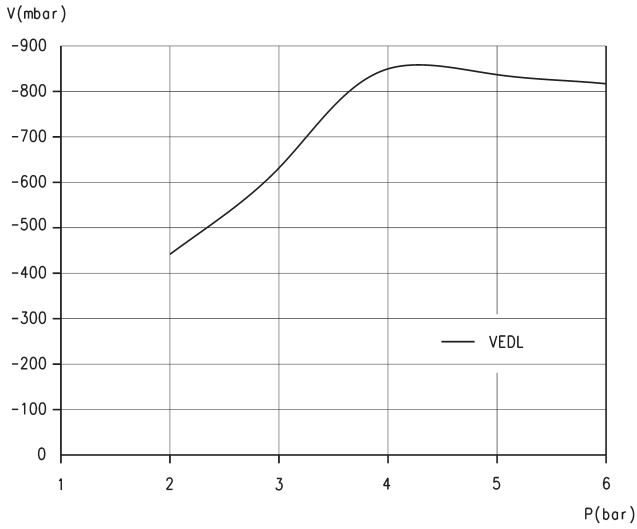
- 1 = Compressed air inlet
- 2 = Vacuum inlet
- 3 = Exhaust

Usable fluids: compressed air, oiled and not, according to ISO 8573-1:2001 class 7-4-4



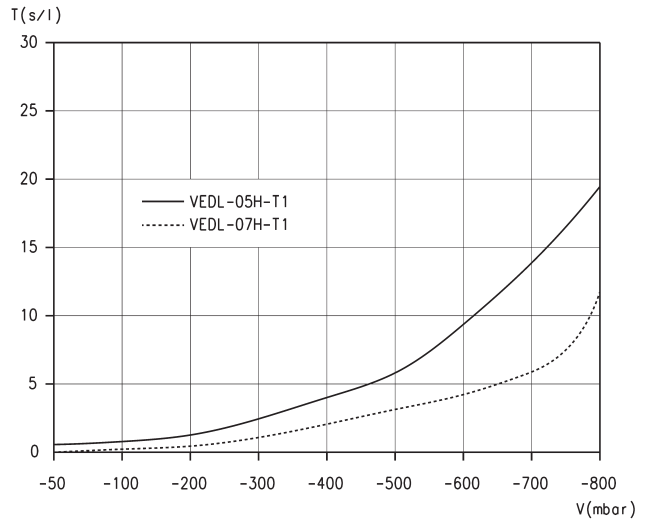
TECHNICAL DATA												
Mod.	$\varnothing$ nozzle (mm)	Obtainable relative pressure	Vacuum flow (mbar)	Vacuum flow (l/min)	Air consumption (l/min)	Operating pressure	Optimum operating pressure (bar)	Operating temperature ( $^{\circ}$ C)	Weight (kg)	Noise level gripped [dB(A)]	Noise level free [dB(A)]	Suggested internal $\varnothing$ for tubes (mm) up to 2 m
VEDL-05-T1	0,5	-830	8	13	3...6	4,5	0...60	0,005	52	60	2/2	
VEDL-07-T1	0,7	-850	15	25	3...6	4,5	0...60	0,005	55	63	2/2	

**Diagrams VEDL**



**LEGEND:**  
V = Vacuum values  
P = Working pressure

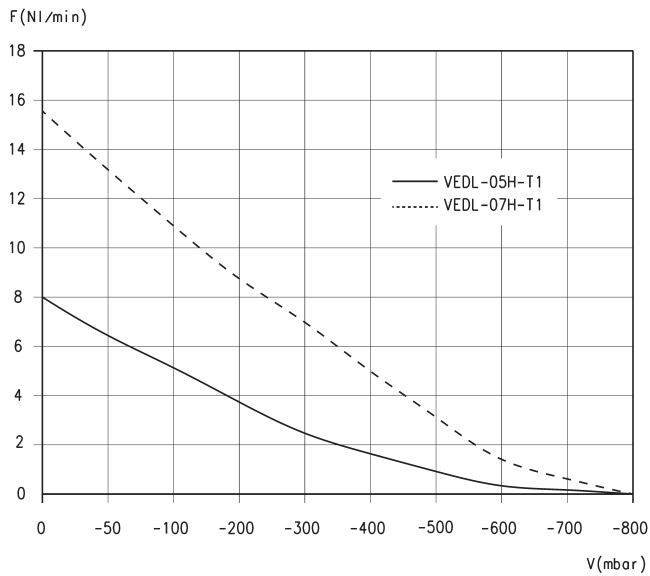
Note: Vacuum reachable with different supply pressures



**LEGEND:**  
T = Evacuation time  
V = Vacuum values

Note: Evacuation time for different vacuum values

**Diagrams VEDL**



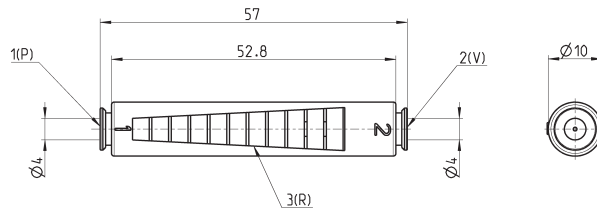
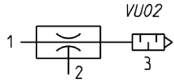
**LEGEND:**  
F = Suction rate  
V = Vacuum values

Note: Suction rate with different vacuum values

## Inline ejector VEDL



[ P ] = Pressure  
 [ V ] = Vacuum  
 [ R ] = Exhaust



Mod.
VEDL-05-T1
VEDL-07-T1