



Industrial Vacuum Solutions for

ENGINEERING & AUTOMOTIVE INDUSTRIES

Manufacturing with machine tools generates some of the highest average costs in engineering and automotive industries.

Delfin's Tecnoil vacuum systems make it possible to recycle coolant, oils and swarf that would typically go to waste. Facilities save money while increasing labor value, cleaning quality and workplace safety.

Tecnoil



The Right Economic Solution for Machine Tools.

Subtractive manufacturing comes with an inevitably high cost, but Tecnoil vacuum systems provide a simple way to recycle production waste.

MOTORS

Powerful motors ranging up to 14.5 hp (11 kW)

Single-Phase:

1-3 bypass motors with independent cooling



Three-Phase:

Quiet, maintenance-free side-channel blower for



FILTERS

Coated polypropylene **3D SUPERWEB** filter for liquids and motor protection

Certified Class M



Optional **H13 polyester water-oil repellent cartridge filter** with PTFE external membrane (10-20 µm)



Recommended for recovering fine or precious metals.

Optional **PPL filters** (100-300 µm)



Tecnoil

Removable sieve basket separates metal chips and liquids



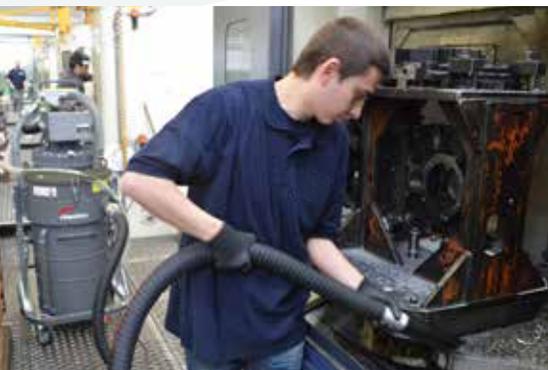
Compact design with steel construction



Rotating hose connector



Oil-proof wheels for portability



COLLECT, SEPARATE & RECYCLE.

Features vary within the Tecnoil range to meet production and operational needs for each facility.



Increase ROI with Financial Saving

- + Get multiple reuses of oil and coolant
- + Repurpose or sell metal shavings
- + Save on oil disposal costs

Reduce Cost of Downtime

- + Use one operator to increase labor value
- + Replace stand-by time with automation
- + Minimize machine tool maintenance time

Liquid & Chips Disposal System

Did you know it takes 5 hours on average to empty 264 gallons of liquid? The patented reverse airflow discharge system can get it done in 1 hour.

Reversed airflow or pump system
for liquid discharge up to 79 gal / min
(300 lt / min)

**Removable container or tilting
hopper** discharge system for easy
metal chips disposal.

Float device or automatic sensor
to stop liquid collection when
container is full.



Options

ACCESSORIES

Complete range of user-friendly tools to add convenience and effectiveness for collecting oil and chips



SEPARATING CYCLONE

Cyclone heads can be placed over disposable drum tops and integrated into the setup best suited for the application



DISCHARGE PUMP

Independent discharge electrical pump with max capacity of 70 gal / min (300 lt / min)



Delfin has every application covered.

All Tecnoil vacuum systems have customizable options



With over 25 years of innovation in the industrial vacuum system market, we've built a diverse product line of more than 140 models and 1,500 configurations to cover any application, dust type and niche industry. Through listening to the unique needs of each customer, we've grown to realize our R&D team can engineer any custom solution with the highest standards for quality and safety.

- Single & three-phase systems available
- Reverse airflow discharge system
- Compact & portable with oil-proof wheels
- Separation of oil & shavings with sieve grid
- Added coating on filter to shield motor against oil mist



Technical Datasheet

		600 (3ph)	400 IF (3ph)	200 IF (3ph)	200 IF (1ph)	100 IF (3ph)	100 IF (1ph)	MINI (1ph)
Voltage	V - Hz	230 / 460 - 60	230 / 460 - 60	230 / 460 - 60	115 - 60	230 / 460 - 60	115 - 60	115 - 60
Power	hp (kW)	17 (12.6)	6.2 (4.6)	4.6 (3.5)	4.6 (3.5)	4.6 (3.5)	4.6 (3.4)	1.3 (1)
Cont. Water Lift	inH2O (mmH2O)	236.2 (6000)	104.3 (2650)	70.9 (1800)	98.4 (2500)	70.9 (1800)	98.4 (2500)	118.1 (3000)
Airflow	CFM (m³/h)	344.3 (585)	294.3 (500)	264.9 (450)	317.8 (540)	264.9 (450)	317.8 (540)	117 (200)
Liquid Capacity	gal (lt)	161 (610)	106 (400)	53 (200)	53 (200)	26 (100)	53 (200)	17 (65)
Solids Capacity	gal (lt)	20 (75)	13 (50)	11 (40)	11 (40)	11 (40)	26 (100)	2.6 (10)
Dimensions	in	28 x 77 x 77	55 x 28 x 71	43 x 26 x 71	43 x 26 x 58	33 x 26 x 60	43 x 26 x 71	33 x 26 x 49
Weight	lbs (kg)	893 (405)	496 (225)	408 (185)	364 (165)	209 (95)	408 (185)	143 (65)
Suction Inlet	mm	60	50	50	50	50	50	40
Discharge System	type	external pump	reverse airflow*	reverse airflow*	reverse airflow	reverse airflow	reverse airflow	ball valve
Discharge Speed	gal / min (lt / min)	79 (300)	40 (150)	53 (200)	37 (140)	53 (200)	37 (140)	manual

*Discharge pump may be added to increase speed



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