

SPD, SPDB SERIES



5-15 HP Central
Conveying System

HIGH EFFICIENCY, COMPACT, QUIET DESIGN

The Sterling SPD Vacuum pump allows for the conveying of free-flowing palletized plastic materials and regrind using vacuum receivers integrated into a central conveying system. Sterling vacuum conveying pumps are designed for 24 hour, continuous operation and are recommended for most conveying applications.

Sterling is able to provide several types of ultracompact vacuum power units to suit your conveying needs. The SPD Series Vacuum Pump uses a high efficiency, quiet, positive-displacement vacuum pump and can be utilized to convey pellets and regrind over long distances up to 500 equivalent feet. SPDB vacuum pumps have the same features as the SPD but include an exclusive non-reversing valve system for pulse filter cleaning.



Features

- Ultra compact design
- Positive displacement vacuum pump
- High efficiency, quiet blower design
- Conveys continuously using an atmospheric relief valve
- Vacuum gauge on pump for visual indication of system performance
- 230/4/60 and 460/3/60 totally enclosed (TEFC) motor
- ROOTS™ WHISPAIR™ blower design
- Integral discharge silencer
- High vacuum safety switch
- Mechanical high vacuum relief valve for ensured safe operation
- NEMA 12 junction box with disconnect, starter, and overload mounted on unit
- Dimensions: 31 L x 31 W x 85 H (79 cm x 79 cm x 216 cm)
- Maximum recommended conveying distance: 500 equivalent feet (152 m)
- Shipping weight: SPD 5: 385 lbs. (175 kg); SPD 10: 400 lbs. (181 kg); SPC 15: 420 lbs. (190 kg)

Options

- Special voltage: 220/3/50, 380-415/3/50, 208/3/60, 575/3/60
- Sound enclosure
- Purge capability
- Closed loop conveying valve

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SPECIFICATIONS

Model	Air Flow		460 V Power Unit		Vacuum Line Size	Material Line Size	Recommended Vacuum Receivers	
	cfm	cmh	HP	kW	In., OD	In., OD	cu. ft.	liters
SPD(B) 5	120	203	5	3.7	2	2	0.2, 0.4, 0.8, 1.6	6, 11, 23, 45
SPD(B) 7.5	155	263	7.5	5.6	2.5	2.5	0.8, 1.6	23, 45
SPD(B) 10	200	339	10	7.5	2.5	2.5	1.6, 3, 6	45, 85, 170
SPD(B) 10	225	381	10	7.5	3	3	1.6, 3, 6	45, 85, 170
SPD(B) 15	300	508	15	11.2	3	3	3, 6	85, 170
SPD(B) 15	360	610	15	11.2	3.5	3.5	3, 6	85, 170
Sound Enclosure			38L x 40W x 43H (96 x 102 x 109)					

FULL LOAD AMPS

	230V	460V	575V
SPD(B) 5	13.4	6.7	5.4
SPD(B) 7.5	20.6	10.3	8.2
SPD(B) 10	28.4	14.2	11.4
SPD(B) 10	29.2	14.6	11.7
SPD(B) 15	38.4	19.2	15.3
SPD(B) 15	39.2	19.6	15.7

