

Portec Angle-Flo® Technical Specifications (Metric)

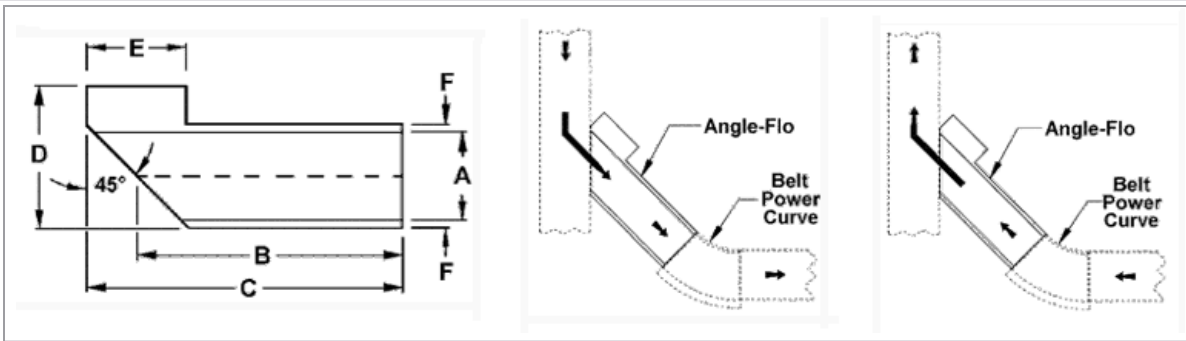
Angle-Flo®

Technical & Model Specifications			
Belt Drive System:	The conveyor belt is driven by its bottom side contacting a heavy duty lagged drive roll. Contamination of the belt surface does not effect the conveyor operation. The innovative low-tension belt drive system greatly reduces heat buildup that can cause damage to the belt. A spring-loaded take-up maintains even belt tension in spite of changes in loading and temperature.		
Conveyor Belt:	Siegling 2-ply Black Urethane E 12/ O/U MT-C-SE BLK		
Drive Roll:		Roll Diameter	Gear-In 1rpm =
	Low Frame	101 mm	339 mm
	Mid-Frame	152 mm	499 mm
	High-Frame	203 mm	658 mm
The hubs are machined from steel and welded in each end. The drive lagging is molding onto the steel roll and machined to provide a friction surface.			
Drive Shaft:		Standard Shaft Diameters	
	Low Frame	25 mm or 30 mm	
	Mid-Frame	30 mm or 35 mm	
	High-Frame	35 mm or 45 mm	
The roll shafts are turned, ground and polished 1045 steel. Each shaft is keyed to fit the roll.			
Angle Bar:		Standard Bar Diameters	
	Low Frame	32 mm	
	Mid-Frame	47.6 mm	
	High-Frame	47.6 mm	
The conveyor may be positioned with the angle bar as close as 4 mm from the adjoining conveyor.			
End, Take-up, Snub and Return Rolls		Standard Bar Diameters	
	Low Frame	50.8 mm	
	Mid-Frame	63.5 mm	
	High-Frame	88.9 mm	
The end and take-up rolls have center crowns. The hubs are machined from steel and welded in each end. The end roll is normally positioned so that the front face of the roller extends 6.3 mm past the end of the conveyor frame. The end roller may be positioned 12.7 mm from the end of the frame to 38 mm (high frame) past the end of the frame.			

Frame Assembly:		Frame height	Standard conveying width range (Other options available)
	Low Frame	178 mm	330-610 mm
	Mid-Frame	216 mm	610-1041 mm
	High-Frame	305 mm	1041-1600 mm
The all metal frame (frame slide and slider bed) is fabricated from 3.41 mm steel. Welded 4.8 mm thick angle steel cross members provide a solid conveyor platform. The lower edge of the side frame has a 38 mm wide inward flange to attach floor supports.			

Sideguard Construction:	1.89 mm steel with top and entry end flanges and exit transitions. Uni-strut channels for attaching electrical conduit.
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Portec Angle-Flo conveyors are specifically designed for either merge or diverge operation. The number of rollers and their locations are different in these two types of Angle-Flo conveyors. A merge Angle-Flo cannot be later converted to operate as a diverge Angle-Flo. Diverge Angle-Flo conveyors generally have a longer minimum length than a merge Angle-Flo.



Sample Merge Model Dimension

(Dimensions are for merge units only.)

45° Models	A	B	C	D	E	F	Gear-in 1rpm=mm	Frame Height
330AXL788-45°	254	788	981	569	341	330	329	178
686AXL965-45°	610	965	1336	925	696	686	329	178
737AX1042-45°	661	1042	1438	983	747	737	489	216
1092AX1524-45°	1016	1524	2098	1339	1103	1092	489	216
991AXH1524-45°	915	1524	2048	1237	1001	991	648	305
1600AXH2286-45°	1524	2286	3114	1847	1611	1600	648	305

30° Models	A	B	C	E	F	Gear-in 1rpm=mm	Frame Height
330AXL945-30°	254	945	1279	341	330	329	178
686AXL1253-30°	610	1253	1895	696	686	329	178
737AX1511-30°	661	1511	2196	747	737	489	216
1092AX1819-30°	1016	1819	2787	1103	1092	489	216
991AXH1928-30°	915	1928	2834	1001	991	648	305
1600AXH2456-30°	1524	2456	3889	1611	1600	648	305