

eDART has developed PrePinched Sleeves both in full bore and reduced bore sizes for the range of pinch valves. The PrePinched design offers a linear flow characteristic for equivalent flow capability to the regular sleeve. Furthermore because it has been moulded in the PrePinched configuration the stresses in the sleeve as the valve closes are reduced. The maximum CV for the sleeves is shown below. The "A" size refers to full bore nominal size; "B" refers to one pipe size reduction and "C" to two pipe size reductions.

	Regular		PrePinched	
Size	"A"	"A"	"B"	"C"
80	650	620	460	220
100	1,030	990	700	
150	2,470	2,370	1,640	940
200	4,540	4,410	2,180	
250	7,330	7,050	4600	
300	10,800	10,510		
350	14,760	14,440		
400	19,700	19,100		

In the graph of normalised results, shown below, the linearity of the PrePinch sleeve is seen. The data for reduced bores are also shown indicating better controllability for lower flow applications.

