

separchrom^{PC02}

HPLC COLUMNS FOR PREP CHROMATOGRAPHY



Columns for Medium Pressure with axial bed compression

Separchrom PC02 medium pressure stainless steel column are intended for separation where high pressure is not necessary, but high efficiency can be still expected and useful. **Separchrom PC02** thus fill requirements of many users. They are made of cutted and polished stainless steel tubes and equipped on input either with ultra high molecular weight polyethylene made pistons (PC 02 UP) with steel support or stainless steel made pistons (PC 02 SP), both with Poremet® 5 stainless steel (AISI 316 L) frits with 02 porosity 5 µm and minimum hydraulic resistance. Flow distributors with groves for liquid distribution are incorporated in to the piston and the system guarantees perfect piston flow with nearly zero pressure drop. Columns have functional stroke of the input piston approximately 60 % of the inner diameter of the column when working with flange bolts and even higher when hydraulic cylinder is used.

Outputs of PC02 columns are designed as fix units (pistons on special request) and use the same flow distributors and frits like input pistons.

Due the low movement resistance of UHMWE pistons **Separchrom PC02** columns can be equipped with special software application in order to compensate swelling and deswelling of organic sorbents in different mobile phases (column piston is moved in very small steps up and down during use).

Columns for laboratory applications

Type of column	I.D. mm	Length mm	Pressure Bar	Note
SEPARCHROM PC02 -25/50	25	50	70	
SEPARCHROM PC02 -25/250	25	250	70	
SEPARCHROM PC02 -50/250	50	250	50	
SEPARCHROM PC02 -50/500	50	500	50	
SEPARCHROM PC02 -100/250	100	250	40	
SEPARCHROM PC02 -100/500	100	500	40	

Columns for industrial applications

Type of column	I.D. mm	Length mm	Pressure Bar	Note
SEPARCHROM PC02-100/250	100	250	40	
SEPARCHROM PC02-100/500	100	500	40	
SEPARCHROM PC02-150/300	150	300	40	
SEPARCHROM PC02-150/600	150	600	40	
SEPARCHROM PC02-200/400	200	400	35	
SEPARCHROM PC02-200/700	200	700	35	
SEPARCHROM PC02-200/800	200	800	35	
SEPARCHROM PC02-200/1200	200	1200	35	
SEPARCHROM PC02-300/300	300	300	30	
SEPARCHROM PC02-300/600	300	600	30	
SEPARCHROM PC02-300/700	300	700	30	
SEPARCHROM PC02-400/400	400	400	20	
SEPARCHROM PC02-400/800	400	800	20	
SEPARCHROM PC02-400/1200	400	1200	20	
SEPARCHROM PC02-500/500	500	500	10	
SEPARCHROM PC02-500/1000	500	1000	10	
SEPARCHROM PC02-500/1200	500	1200	10	
SEPARCHROM PC02-600/600	600	600	5	
SEPARCHROM PC02-600/1200	600	1200	5	