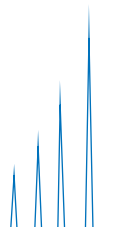
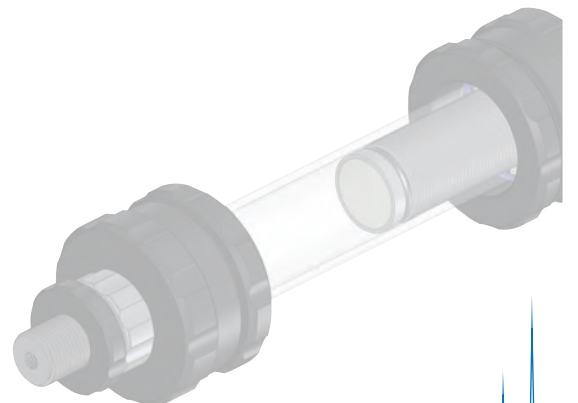
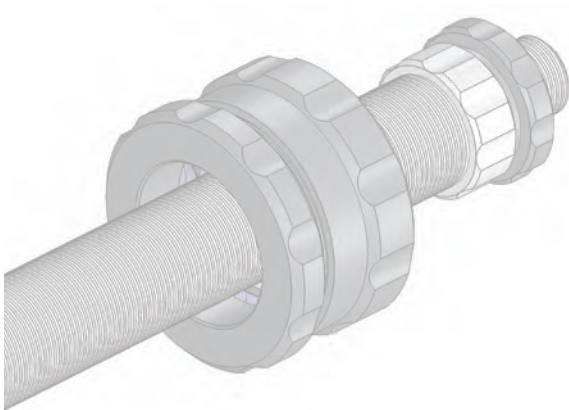
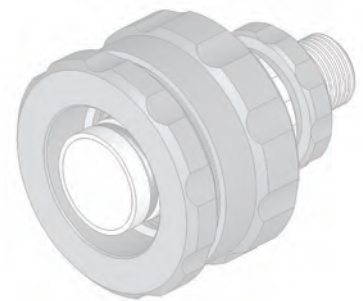


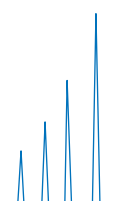
Price list **ECO**



Bed lengths and volumes ECO

ID [mm]	Pressure limit [bar]	Vario		Multivario	
		Bed length [mm]	Volume [ml]	Bed length [mm]	Volume [ml]
10	30	0-120	0-9	0-120	0-9
		80-200	7-15	0-200	0-15
		330-450	28-35	220-450	19-35
		630-750	54-58	520-750	45-58
		880-1000	75-78	780-1000	66-78
15	25	0-120	0-19	0-120	0-19
		80-200	16-32	0-200	0-32
		330-450	63-73	210-450	40-73
		630-750	120-122	510-750	97-122
		880-1000	163-168	760-1000	145-163
25	15	0-120	0-60	0-120	0-60
		80-200	50-100	0-200	0-100
		330-450	190-230	220-450	130-230
		630-750	365-390	520-750	300-390
		880-1000	510-520	770-1000	445-520
50	10	0-120	0-235	0-120	0-235
		80-200	180-390	0-200	0-390
		330-450	730-885	230-450	510-885
		630-750	1390-1480	530-750	1170-1480
		880-1000	1945-1970	780-1000	1725-1970
70	5	-	-	0-120	0-425
		-	-	0-200	0-710
		-	-	70-450	290-1610
		-	-	370-750	1530-2680
		-	-	620-1000	2560-3570
80	5	-	-	0-120	0-560
		-	-	0-200	0-940
		-	-	70-450	380-2120
		-	-	370-750	1980-3530
		-	-	620-1000	3320-4710

Other dimensions available on request



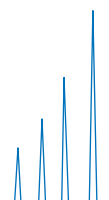
Aqueous Buffer (AB) versions

Temperature range	4–40 °C
Inner/outer piston	POM (polyoxymethylene)
Sealing	O-ring, Viton
Frit	Sintered glass
Height adjustment	Vario (one adjustable piston) Multivario (two adjustable pistons)
Connections	1/4"-28G female screw thread

Solvent Resistant (SR) versions

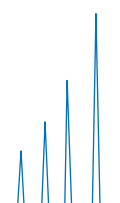
Temperature range	4–40 °C
Inner/outer piston	PVDF (polyvinylidenfluorid)
Sealing	O-ring, Kalrez®
Frit	Sintered glass
Height adjustment	Vario (one adjustable piston) or Multivario (two adjustable pistons)
Connections	1/4"-28G female screw thread

All columns supplied with	1x frit removal tool 2x plugs, PTFE (1/4"-28G)
Columns with 10–15mm ID	1x 1 m 1/16" FEP tubing (0.8 x 1.6 mm) 4x 1/4"-28G nut and ferrule for 1/16" tubing 2x M6 nut and ferrule for 1/16" tubing 2x 10-32 nut/ferrule for 1/16" tubing 2x Anti-kink tube protector
Columns with 25–50mm ID	1x 1 m 1/8" FEP tubing (1.6 x 3.2 mm) 4x 1/4"-28G nut and ferrule for 1/8" tubing 2x M6 nut and ferrule for 1/8" tubing
Columns with 70–80mm ID	1x 2 m 1/8" FEP tubing (2.4 x 3.2 mm) 4x 1/4"-28G nut and ferrule for 1/8" tubing 2x M6 nut and ferrule for 1/8" tubing 1x Handling-Loop



10 mm ID columns

ID [mm]	Pressure limit [bar]	Vario		Multivario	
		Bed length [mm]	Volume [ml]	Bed length [mm]	Volume [ml]
10	30	0-120	0-9	0-120	0-9
		80-200	7-15	0-200	0-15
		330-450	28-35	220-450	19-35
		630-750	54-58	520-750	45-58
		880-1000	75-78	780-1000	66-78



Multivario: Two adjustable pistons

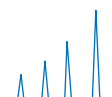


Part No.	ID [mm]	Bed length [mm]	Volume [ml]	Frit porosity [μm]	Pressure limit [bar]	Price [¥]
ECO10/120M0V	10	0–120	0–9	10–16	30	146,000
ECO10/120M3V	10	0–120	0–9	16–40	30	146,000
ECO10/120M4V	10	0–120	0–9	40–100	30	146,000
ECO10/200M0V	10	0–200	0–15	10–16	30	148,000
ECO10/200M3V	10	0–200	0–15	16–40	30	148,000
ECO10/200M4V	10	0–200	0–15	40–100	30	148,000
ECO10/450M0V	10	220–450	19–35	10–16	30	151,000
ECO10/450M3V	10	220–450	19–35	16–40	30	151,000
ECO10/450M4V	10	220–450	19–35	40–100	30	151,000
ECO10/750M0V	10	520–750	45–58	10–16	30	149,000
ECO10/750M3V	10	520–750	45–58	16–40	30	149,000
ECO10/750M4V	10	520–750	45–58	40–100	30	149,000
ECO10/999M0V	10	780–1000	66–78	10–16	30	153,000
ECO10/999M3V	10	780–1000	66–78	16–40	30	153,000
ECO10/999M4V	10	780–1000	66–78	40–100	30	153,000

Vario: One adjustable piston



Part No.	ID [mm]	Bed length [mm]	Volume [ml]	Frit porosity [μm]	Pressure limit [bar]	Price [¥]
ECO10/120V0V	10	0–120	0–9	10–16	30	128,000
ECO10/120V3V	10	0–120	0–9	16–40	30	128,000
ECO10/120V4V	10	0–120	0–9	40–100	30	128,000
ECO10/200V0V	10	80–200	7–15	10–16	30	132,000
ECO10/200V3V	10	80–200	7–15	16–40	30	132,000
ECO10/200V4V	10	80–200	7–15	40–100	30	132,000
ECO10/450V0V	10	330–450	28–35	10–16	30	134,000
ECO10/450V3V	10	330–450	28–35	16–40	30	134,000
ECO10/450V4V	10	330–450	28–35	40–100	30	134,000
ECO10/750V0V	10	630–750	54–58	10–16	30	136,000
ECO10/750V3V	10	630–750	54–58	16–40	30	136,000
ECO10/750V4V	10	630–750	54–58	40–100	30	136,000
ECO10/999V0V	10	880–1000	75–78	10–16	30	136,000
ECO10/999V3V	10	880–1000	75–78	16–40	30	136,000
ECO10/999V4V	10	880–1000	75–78	40–100	30	136,000



Multivarior: Two adjustable pistons

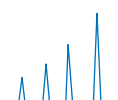


Part No.	ID [mm]	Bed length [mm]	Volume [ml]	Frit porosity [μm]	Pressure limit [bar]	Price [¥]
ECO10/120M0K	10	0–120	0–9	10–16	30	220,000
ECO10/120M3K	10	0–120	0–9	16–40	30	220,000
ECO10/120M4K	10	0–120	0–9	40–100	30	220,000
ECO10/200M0K	10	0–200	0–15	10–16	30	220,000
ECO10/200M3K	10	0–200	0–15	16–40	30	220,000
ECO10/200M4K	10	0–200	0–15	40–100	30	220,000
ECO10/450M0K	10	220–450	19–35	10–16	30	223,000
ECO10/450M3K	10	220–450	19–35	16–40	30	223,000
ECO10/450M4K	10	220–450	19–35	40–100	30	223,000
ECO10/750M0K	10	520–750	45–58	10–16	30	232,000
ECO10/750M3K	10	520–750	45–58	16–40	30	232,000
ECO10/750M4K	10	520–750	45–58	40–100	30	232,000
ECO10/999M0K	10	780–1000	66–78	10–16	30	232,000
ECO10/999M3K	10	780–1000	66–78	16–40	30	232,000
ECO10/999M4K	10	780–1000	66–78	40–100	30	232,000

Vario: One adjustable piston

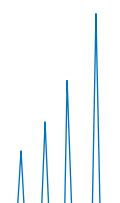


Part No.	ID [mm]	Bed length [mm]	Volume [ml]	Frit porosity [μm]	Pressure limit [bar]	Price [¥]
ECO10/120V0K	10	0–120	0–9	10–16	30	192,000
ECO10/120V3K	10	0–120	0–9	16–40	30	192,000
ECO10/120V4K	10	0–120	0–9	40–100	30	192,000
ECO10/200V0K	10	80–200	7–15	10–16	30	194,000
ECO10/200V3K	10	80–200	7–15	16–40	30	194,000
ECO10/200V4K	10	80–200	7–15	40–100	30	194,000
ECO10/450V0K	10	330–450	28–35	10–16	30	198,000
ECO10/450V3K	10	330–450	28–35	16–40	30	198,000
ECO10/450V4K	10	330–450	28–35	40–100	30	198,000
ECO10/750V0K	10	630–750	54–58	10–16	30	204,000
ECO10/750V3K	10	630–750	54–58	16–40	30	204,000
ECO10/750V4K	10	630–750	54–58	40–100	30	204,000
ECO10/999V0K	10	880–1000	75–78	10–16	30	207,000
ECO10/999V3K	10	880–1000	75–78	16–40	30	207,000
ECO10/999V4K	10	880–1000	75–78	40–100	30	207,000



15 mm ID columns

ID [mm]	Pressure limit [bar]	Vario		Multivario	
		Bed length [mm]	Volume [ml]	Bed length [mm]	Volume [ml]
15	25	0-120	0-19	0-120	0-19
		80-200	16-32	0-200	0-32
		330-450	63-73	210-450	40-73
		630-750	120-122	510-750	97- 122
		880-1000	163-168	760-1000	145-163



Multivario: Two adjustable pistons

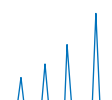


Part No.	ID [mm]	Bed length [mm]	Volume [ml]	Frit porosity [μm]	Pressure limit [bar]	Price [¥]
ECO15/120M0V	15	0–120	0–19	10–16	25	152,000
ECO15/120M3V	15	0–120	0–19	16–40	25	152,000
ECO15/120M4V	15	0–120	0–19	40–100	25	152,000
ECO15/200M0V	15	0–200	0–32	10–16	25	132,000
ECO15/200M3V	15	0–200	0–32	16–40	25	132,000
ECO15/200M4V	15	0–200	0–32	40–100	25	132,000
ECO15/450M0V	15	210–450	40–73	10–16	25	152,000
ECO15/450M3V	15	210–450	40–73	16–40	25	152,000
ECO15/450M4V	15	210–450	40–73	40–100	25	152,000
ECO15/750M0V	15	510–750	97–122	10–16	25	162,000
ECO15/750M3V	15	510–750	97–122	16–40	25	162,000
ECO15/750M4V	15	510–750	97–122	40–100	25	162,000
ECO15/999M0V	15	760–1000	145–163	10–16	25	193,000
ECO15/999M3V	15	760–1000	145–163	16–40	25	193,000
ECO15/999M4V	15	760–1000	145–163	40–100	25	193,000

Vario: One adjustable piston



Part No.	ID [mm]	Bed length [mm]	Volume [ml]	Frit porosity [μm]	Pressure limit [bar]	Price [¥]
ECO15/120V0V	15	0–120	0–19	10–16	25	134,000
ECO15/120V3V	15	0–120	0–19	16–40	25	134,000
ECO15/120V4V	15	0–120	0–19	40–100	25	134,000
ECO15/200V0V	15	80–200	16–32	10–16	25	136,000
ECO15/200V3V	15	80–200	16–32	16–40	25	136,000
ECO15/200V4V	15	80–200	16–32	40–100	25	136,000
ECO15/450V0V	15	330–450	63–73	10–16	25	165,000
ECO15/450V3V	15	330–450	63–73	16–40	25	165,000
ECO15/450V4V	15	330–450	63–73	40–100	25	165,000
ECO15/750V0V	15	630–750	120–122	10–16	25	188,000
ECO15/750V3V	15	630–750	120–122	16–40	25	188,000
ECO15/750V4V	15	630–750	120–122	40–100	25	188,000
ECO15/999V0V	15	880–1000	163–168	10–16	25	204,000
ECO15/999V3V	15	880–1000	163–168	16–40	25	204,000
ECO15/999V4V	15	880–1000	163–168	40–100	25	204,000



Multivarior: Two adjustable pistons

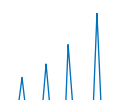


Part No.	ID [mm]	Bed length [mm]	Volume [ml]	Frit porosity [μm]	Pressure limit [bar]	Price [¥]
ECO15/120M0K	15	0–120	0–19	10–16	25	335,000
ECO15/120M3K	15	0–120	0–19	16–40	25	335,000
ECO15/120M4K	15	0–120	0–19	40–100	25	335,000
ECO15/200M0K	15	0–200	0–32	10–16	25	336,000
ECO15/200M3K	15	0–200	0–32	16–40	25	336,000
ECO15/200M4K	15	0–200	0–32	40–100	25	336,000
ECO15/450M0K	15	210–450	40–73	10–16	25	338,000
ECO15/450M3K	15	210–450	40–73	16–40	25	338,000
ECO15/450M4K	15	210–450	40–73	40–100	25	338,000
ECO15/750M0K	15	510–750	97–122	10–16	25	345,000
ECO15/750M3K	15	510–750	97–122	16–40	25	345,000
ECO15/750M4K	15	510–750	97–122	40–100	25	345,000
ECO15/999M0K	15	760–1000	145–163	10–16	25	348,000
ECO15/999M3K	15	760–1000	145–163	16–40	25	348,000
ECO15/999M4K	15	760–1000	145–163	40–100	25	348,000

Vario: One adjustable piston

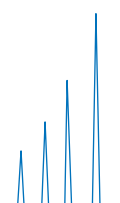


Part No.	ID [mm]	Bed length [mm]	Volume [ml]	Frit porosity [μm]	Pressure limit [bar]	Price [¥]
ECO15/120V0K	15	0–120	0–19	10–16	25	227,000
ECO15/120V3K	15	0–120	0–19	16–40	25	227,000
ECO15/120V4K	15	0–120	0–19	40–100	25	227,000
ECO15/200V0K	15	80–200	16–32	10–16	25	231,000
ECO15/200V3K	15	80–200	16–32	16–40	25	231,000
ECO15/200V4K	15	80–200	16–32	40–100	25	231,000
ECO15/450V0K	15	330–450	63–73	10–16	25	230,000
ECO15/450V3K	15	330–450	63–73	16–40	25	230,000
ECO15/450V4K	15	330–450	63–73	40–100	25	230,000
ECO15/750V0K	15	630–750	120–122	10–16	25	238,000
ECO15/750V3K	15	630–750	120–122	16–40	25	238,000
ECO15/750V4K	15	630–750	120–122	40–100	25	238,000
ECO15/999V0K	15	880–1000	163–168	10–16	25	238,000
ECO15/999V3K	15	880–1000	163–168	16–40	25	238,000
ECO15/999V4K	15	880–1000	163–168	40–100	25	238,000



25 mm ID columns

ID [mm]	Pressure limit [bar]	Vario		Multivario	
		Bed length [mm]	Volume [ml]	Bed length [mm]	Volume [ml]
25	15	0-120	0-60	0-120	0-60
		80-200	50-100	0-200	0-100
		330-450	190-230	220-450	130-230
		630-750	365-390	520-750	300-390
		880-1000	510-520	770-1000	445-520



Multivario: Two adjustable pistons

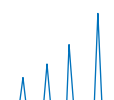


Part No.	ID [mm]	Bed length [mm]	Volume [ml]	Frit porosity [μm]	Pressure limit [bar]	Price [¥]
ECO25/120M0V	25	0–120	0–60	10–16	15	174,000
ECO25/120M3V	25	0–120	0–60	16–40	15	174,000
ECO25/120M4V	25	0–120	0–60	40–100	15	174,000
ECO25/200M0V	25	0–200	0–100	10–16	15	169,000
ECO25/200M3V	25	0–200	0–100	16–40	15	169,000
ECO25/200M4V	25	0–200	0–100	40–100	15	169,000
ECO25/450M0V	25	220–450	130–230	10–16	15	165,000
ECO25/450M3V	25	220–450	130–230	16–40	15	165,000
ECO25/450M4V	25	220–450	130–230	40–100	15	165,000
ECO25/750M0V	25	520–750	300–390	10–16	15	193,000
ECO25/750M3V	25	520–750	300–390	16–40	15	193,000
ECO25/750M4V	25	520–750	300–390	40–100	15	193,000
ECO25/999M0V	25	770–1000	445–520	10–16	15	208,000
ECO25/999M3V	25	770–1000	445–520	16–40	15	208,000
ECO25/999M4V	25	770–1000	445–520	40–100	15	208,000

Vario: One adjustable piston



Part No.	ID [mm]	Bed length [mm]	Volume [ml]	Frit porosity [μm]	Pressure limit [bar]	Price [¥]
ECO25/120V0V	25	0–120	0–60	10–16	15	154,000
ECO25/120V3V	25	0–120	0–60	16–40	15	154,000
ECO25/120V4V	25	0–120	0–60	40–100	15	154,000
ECO25/200V0V	25	80–200	50–100	10–16	15	155,000
ECO25/200V3V	25	80–200	50–100	16–40	15	155,000
ECO25/200V4V	25	80–200	50–100	40–100	15	155,000
ECO25/450V0V	25	330–450	190–230	10–16	15	179,000
ECO25/450V3V	25	330–450	190–230	16–40	15	179,000
ECO25/450V4V	25	330–450	190–230	40–100	15	179,000
ECO25/750V0V	25	630–750	365–390	10–16	15	200,000
ECO25/750V3V	25	630–750	365–390	16–40	15	200,000
ECO25/750V4V	25	630–750	365–390	40–100	15	200,000
ECO25/999V0V	25	880–1000	510–520	10–16	15	230,000
ECO25/999V3V	25	880–1000	510–520	16–40	15	230,000
ECO25/999V4V	25	880–1000	510–520	40–100	15	230,000



Multivarior: Two adjustable pistons

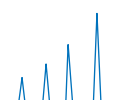


Part No.	ID [mm]	Bed length [mm]	Volume [ml]	Frit porosity [μm]	Pressure limit [bar]	Price [¥]
ECO25/120M0K	25	0–120	0–60	10–16	15	318,000
ECO25/120M3K	25	0–120	0–60	16–40	15	318,000
ECO25/120M4K	25	0–120	0–60	40–100	15	318,000
ECO25/200M0K	25	0–200	0–100	10–16	15	318,000
ECO25/200M3K	25	0–200	0–100	16–40	15	318,000
ECO25/200M4K	25	0–200	0–100	40–100	15	318,000
ECO25/450M0K	25	220–450	130–230	10–16	15	325,000
ECO25/450M3K	25	220–450	130–230	16–40	15	325,000
ECO25/450M4K	25	220–450	130–230	40–100	15	325,000
ECO25/750M0K	25	520–750	300–390	10–16	15	331,000
ECO25/750M3K	25	520–750	300–390	16–40	15	331,000
ECO25/750M4K	25	520–750	300–390	40–100	15	331,000
ECO25/999M0K	25	770–1000	445–520	10–16	15	331,000
ECO25/999M3K	25	770–1000	445–520	16–40	15	331,000
ECO25/999M4K	25	770–1000	445–520	40–100	15	331,000

Vario: One adjustable piston

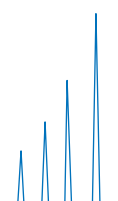


Part No.	ID [mm]	Bed length [mm]	Volume [ml]	Frit porosity [μm]	Pressure limit [bar]	Price [¥]
ECO25/120V0K	25	0–120	0–60	10–16	15	297,000
ECO25/120V3K	25	0–120	0–60	16–40	15	297,000
ECO25/120V4K	25	0–120	0–60	40–100	15	297,000
ECO25/200V0K	25	80–200	50–100	10–16	15	298,000
ECO25/200V3K	25	80–200	50–100	16–40	15	298,000
ECO25/200V4K	25	80–200	50–100	40–100	15	298,000
ECO25/450V0K	25	330–450	190–230	10–16	15	300,000
ECO25/450V3K	25	330–450	190–230	16–40	15	300,000
ECO25/450V4K	25	330–450	190–230	40–100	15	300,000
ECO25/750V0K	25	630–750	365–390	10–16	15	304,000
ECO25/750V3K	25	630–750	365–390	16–40	15	304,000
ECO25/750V4K	25	630–750	365–390	40–100	15	304,000
ECO25/999V0K	25	880–1000	510–520	10–16	15	306,000
ECO25/999V3K	25	880–1000	510–520	16–40	15	306,000
ECO25/999V4K	25	880–1000	510–520	40–100	15	306,000



50 mm ID columns

ID [mm]	Pressure limit [bar]	Vario		Multivario	
		Bed length [mm]	Volume [ml]	Bed length [mm]	Volume [ml]
50	10	0–120	0–235	0–120	0–235
		80–200	180–390	0–200	0–390
		330–450	730–885	230–450	510–885
		630–750	1390–1480	530–750	1170–1480
		880–1000	1945–1970	780–1000	1725–1970



Multivario: Two adjustable pistons

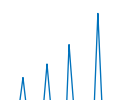


Part No.	ID [mm]	Bed length [mm]	Volume [ml]	Frit porosity [μm]	Pressure limit [bar]	Price [¥]
ECO50/120M0V	50	0–120	0–235	10–16	10	236,000
ECO50/120M3V	50	0–120	0–235	16–40	10	236,000
ECO50/120M4V	50	0–120	0–235	40–100	10	236,000
ECO50/200M0V	50	0–200	0–390	10–16	10	211,000
ECO50/200M3V	50	0–200	0–390	16–40	10	211,000
ECO50/200M4V	50	0–200	0–390	40–100	10	211,000
ECO50/450M0V	50	230–450	510–885	10–16	10	213,000
ECO50/450M3V	50	230–450	510–885	16–40	10	213,000
ECO50/450M4V	50	230–450	510–885	40–100	10	213,000
ECO50/750M0V	50	530–750	1170–1480	10–16	10	266,000
ECO50/750M3V	50	530–750	1170–1480	16–40	10	266,000
ECO50/750M4V	50	530–750	1170–1480	40–100	10	266,000
ECO50/999M0V	50	780–1000	1725–1970	10–16	10	296,000
ECO50/999M3V	50	780–1000	1725–1970	16–40	10	296,000
ECO50/999M4V	50	780–1000	1725–1970	40–100	10	296,000

Vario: One adjustable piston



Part No.	ID [mm]	Bed length [mm]	Volume [ml]	Frit porosity [μm]	Pressure limit [bar]	Price [¥]
ECO50/120V0V	50	0–120	0–235	10–16	10	221,000
ECO50/120V3V	50	0–120	0–235	16–40	10	221,000
ECO50/120V4V	50	0–120	0–235	40–100	10	221,000
ECO50/200V0V	50	80–200	180–390	10–16	10	227,000
ECO50/200V3V	50	80–200	180–390	16–40	10	227,000
ECO50/200V4V	50	80–200	180–390	40–100	10	227,000
ECO50/450V0V	50	330–450	730–885	10–16	10	269,000
ECO50/450V3V	50	330–450	730–885	16–40	10	269,000
ECO50/450V4V	50	330–450	730–885	40–100	10	269,000
ECO50/750V0V	50	630–750	1390–1480	10–16	10	291,000
ECO50/750V3V	50	630–750	1390–1480	16–40	10	291,000
ECO50/750V4V	50	630–750	1390–1480	40–100	10	291,000
ECO50/999V0V	50	880–1000	1945–1970	10–16	10	322,000
ECO50/999V3V	50	880–1000	1945–1970	16–40	10	322,000
ECO50/999V4V	50	880–1000	1945–1970	40–100	10	322,000



Multivario: Two adjustable pistons

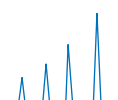


Part No.	ID [mm]	Bed length [mm]	Volume [ml]	Frit porosity [μm]	Pressure limit [bar]	Price [¥]
ECO50/120M0K	50	0–120	0–235	10–16	10	597,000
ECO50/120M3K	50	0–120	0–235	16–40	10	597,000
ECO50/120M4K	50	0–120	0–235	40–100	10	597,000
ECO50/200M0K	50	0–200	0–390	10–16	10	606,000
ECO50/200M3K	50	0–200	0–390	16–40	10	606,000
ECO50/200M4K	50	0–200	0–390	40–100	10	606,000
ECO50/450M0K	50	230–450	510–885	10–16	10	606,000
ECO50/450M3K	50	230–450	510–885	16–40	10	606,000
ECO50/450M4K	50	230–450	510–885	40–100	10	606,000
ECO50/750M0K	50	530–750	1170–1480	10–16	10	623,000
ECO50/750M3K	50	530–750	1170–1480	16–40	10	623,000
ECO50/750M4K	50	530–750	1170–1480	40–100	10	623,000
ECO50/999M0K	50	780–1000	1725–1970	10–16	10	618,000
ECO50/999M3K	50	780–1000	1725–1970	16–40	10	618,000
ECO50/999M4K	50	780–1000	1725–1970	40–100	10	618,000

Vario: One adjustable piston

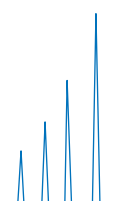


Part No.	ID [mm]	Bed length [mm]	Volume [ml]	Frit porosity [μm]	Pressure limit [bar]	Price [¥]
ECO50/120V0K	50	0–120	0–235	10–16	10	560,000
ECO50/120V3K	50	0–120	0–235	16–40	10	560,000
ECO50/120V4K	50	0–120	0–235	40–100	10	560,000
ECO50/200V0K	50	80–200	180–390	10–16	10	572,000
ECO50/200V3K	50	80–200	180–390	16–40	10	572,000
ECO50/200V4K	50	80–200	180–390	40–100	10	572,000
ECO50/450V0K	50	330–450	730–885	10–16	10	587,000
ECO50/450V3K	50	330–450	730–885	16–40	10	587,000
ECO50/450V4K	50	330–450	730–885	40–100	10	587,000
ECO50/750V0K	50	630–750	1390–1480	10–16	10	597,000
ECO50/750V3K	50	630–750	1390–1480	16–40	10	597,000
ECO50/750V4K	50	630–750	1390–1480	40–100	10	597,000
ECO50/999V0K	50	880–1000	1945–1970	10–16	10	599,000
ECO50/999V3K	50	880–1000	1945–1970	16–40	10	599,000
ECO50/999V4K	50	880–1000	1945–1970	40–100	10	599,000



70 mm ID columns

ID [mm]	Pressure limit [bar]	Vario		Multivario	
		Bed length [mm]	Volume [ml]	Bed length [mm]	Volume [ml]
70	5	–	–	0–120 0–200 70–450 370–750 620–1000	0–425 0–710 290–1610 1530–2680 2560–3570



Aqueous Buffer (AB) versions – 70 mm ID columns

Price list ECO

Multivario: Two adjustable pistons



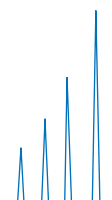
Part No.	ID [mm]	Bed length [mm]	Volume [ml]	Frit porosity [μm]	Pressure limit [bar]	Price [¥]
ECO70/120M0E	70	0–120	0–425	10	5	463,000
ECO70/200M0E	70	0–200	0–710	10	5	467,000
ECO70/450M0E	70	70–450	290–1610	10	5	476,000
ECO70/750M0E	70	370–750	1530–2680	10	5	486,000
ECO70/999M0E	70	620–1000	2560–3570	10	5	496,000

Solvent Resistant (SR) versions – 70 mm ID columns

Multivario: Two adjustable pistons

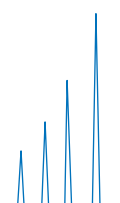


Part No.	ID [mm]	Bed length [mm]	Volume [ml]	Frit porosity [μm]	Pressure limit [bar]	Price [¥]
ECO70/120M0K	70	0–120	0–425	10	5	991,000
ECO70/200M0K	70	0–200	0–710	10	5	994,000
ECO70/450M0K	70	70–450	290–1610	10	5	1,005,000
ECO70/750M0K	70	370–750	1530–2680	10	5	1,014,000
ECO70/999M0K	70	620–1000	2560–3570	10	5	1,024,000



80 mm ID columns

ID [mm]	Pressure limit [bar]	Vario		Multivario	
		Bed length [mm]	Volume [ml]	Bed length [mm]	Volume [ml]
80	5	-	-	0-120	0-560
				0-200	0-940
				70-450	380-2120
				370-750	1980-3530
				620-1000	3320-4710



Aqueous Buffer (AB) versions – 80 mm ID columns

Price list ECO

Multivario: Two adjustable pistons



Part No.	ID [mm]	Bed length [mm]	Volume [ml]	Frit porosity [μm]	Pressure limit [bar]	Price [¥]
ECO80/120M0E	80	0–120	0–560	10	5	558,000
ECO80/200M0E	80	0–200	0–940	10	5	562,000
ECO80/450M0E	80	70–450	380–2120	10	5	572,000
ECO80/750M0E	80	370–750	1980–3530	10	5	584,000
ECO80/999M0E	80	620–1000	3320–4710	10	5	594,000

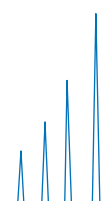
Solvent Resistant (SR) versions – 80 mm ID columns

Price list
ECO

Multivario: Two adjustable pistons



Part No.	ID [mm]	Bed length [mm]	Volume [ml]	Frit porosity [μm]	Pressure limit [bar]	Price [¥]
ECO80/120M0K	80	0–120	0–560	10	5	1,030,000
ECO80/200M0K	80	0–200	0–940	10	5	1,034,000
ECO80/450M0K	80	70–450	380–2120	10	5	1,045,000
ECO80/750M0K	80	370–750	1980–3530	10	5	1,056,000
ECO80/999M0K	80	620–1000	3320–4710	10	5	1,067,000



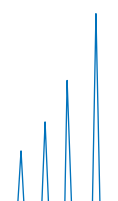
Spare parts for ECO glass columns

ECO glass bodies

ECO end pieces: fix and variable

O-rings: Viton and Kalrez[®]

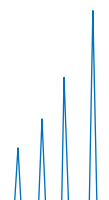
Frits: PE, glass and stainless steel



ECO glass bodies

Part No.	ID [mm]	Max. bed length [mm]	Price [¥]
ECO10/120	10	120	*
ECO10/200	10	200	*
ECO10/450	10	450	*
ECO10/750	10	750	*
ECO10/999	10	1000	*
ECO15/120	15	120	*
ECO15/200	15	200	*
ECO15/450	15	450	*
ECO15/750	15	750	*
ECO15/999	15	1000	*
ECO25/120	25	120	*
ECO25/200	25	200	*
ECO25/450	25	450	*
ECO25/750	25	750	*
ECO25/999	25	1000	*
ECO50/120	50	120	*
ECO50/200	50	200	*
ECO50/450	50	450	*
ECO50/750	50	750	*
ECO50/999	50	1000	*
ECO70/120	70	120	*
ECO70/200	70	200	*
ECO70/450	70	450	*
ECO70/750	70	750	*
ECO70/999	70	1000	*
ECO80/120	80	120	*
ECO80/200	80	200	*
ECO80/450	80	450	*
ECO80/750	80	750	*
ECO80/999	80	1000	*

* 価格についてはお問い合わせください。



Aqueous Buffer (AB) versions: variable



Part No.	ID [mm]	Frit porosity [μm]	Price [¥]
ECO10END/V0V	10	10–16	*
ECO10END/V3V	10	16–40	*
ECO10END/V4V	10	40–100	*
ECO15END/V0V	15	10–16	*
ECO15END/V3V	15	16–40	*
ECO15END/V4V	15	40–100	*
ECO25END/V0V	25	10–16	*
ECO25END/V3V	25	16–40	*
ECO25END/V4V	25	40–100	*
ECO50END/V0V	50	10–16	*
ECO50END/V3V	50	16–40	*
ECO50END/V4V	50	40–100	*
ECO70END/V0E	70	10	*
ECO80END/V0E	80	10	*

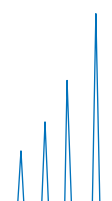
Aqueous Buffer (AB) versions: fix



Part No.	ID [mm]	Frit porosity [μm]	Price [¥]
ECO10END/F0V	10	10–16	*
ECO10END/F3V	10	16–40	*
ECO10END/F4V	10	40–100	*
ECO15END/F0V	15	10–16	*
ECO15END/F3V	15	16–40	*
ECO15END/F4V	15	40–100	*
ECO25END/F0V	25	10–16	*
ECO25END/F3V	25	16–40	*
ECO25END/F4V	25	40–100	*
ECO50END/F0V	50	10–16	*
ECO50END/F3V	50	16–40	*
ECO50END/F4V	50	40–100	*

Assembly of ECO end pieces includes: inner/outer piston, counternut and -screw, seal actuation nut, washer, spring washer, O-ring and frit

* 価格についてはお問い合わせください。



Solvent Resistant (SR) versions: variable



Part No.	ID [mm]	Frit porosity [μm]	Price [¥]
ECO10END/V0K	10	10–16	*
ECO10END/V3K	10	16–40	*
ECO10END/V4K	10	40–100	*
ECO15END/V0K	15	10–16	*
ECO15END/V3K	15	16–40	*
ECO15END/V4K	15	40–100	*
ECO25END/V0K	25	10–16	*
ECO25END/V3K	25	16–40	*
ECO25END/V4K	25	40–100	*
ECO50END/V0K	50	10–16	*
ECO50END/V3K	50	16–40	*
ECO50END/V4K	50	40–100	*
ECO70END/V0K	70	10	*
ECO80END/V0K	80	10	*

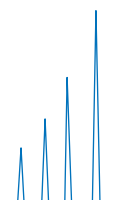
Solvent Resistant (SR) versions: fix



Part No.	ID [mm]	Frit porosity [μm]	Price [¥]
ECO10END/V0K	10	10–16	*
ECO10END/V3K	10	16–40	*
ECO10END/V4K	10	40–100	*
ECO15END/V0K	15	10–16	*
ECO15END/V3K	15	16–40	*
ECO15END/V4K	15	40–100	*
ECO25END/V0K	25	10–16	*
ECO25END/V3K	25	16–40	*
ECO25END/V4K	25	40–100	*
ECO50END/V0K	50	10–16	*
ECO50END/V3K	50	16–40	*
ECO50END/V4K	50	40–100	*

Assembly of ECO end pieces includes: inner/outer piston, counternut and -screw, seal actuation nut, washer, spring washer, O-ring and frit

* 価格についてはお問い合わせください。



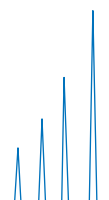
Aqueous Buffer (AB) versions:
Viton O-rings, pack of 2

Part No.	ID [mm]	Price [¥]
ECO1011V/P2	10	*
ECO1511V/P2	15	*
ECO2511V/P2	25	*
ECO5011V/P2	50	*
ECO70AB100E/P2	70	*
ECO80AB100E/P2	80	*

Solvent Resistant (SR) versions:
Kalrez® O-rings, pack of 2

Part No.	ID [mm]	Price [¥]
ECO1011K/P2	10	*
ECO1511K/P2	15	*
ECO2511K/P2	25	*
ECO5011K/P2	50	*
ECO70SR100K	70	*
ECO80SR100K	80	*

* 価格についてはお問い合わせください。



Glass frits, pack of 2

Part No.	ID [mm]	Frit porosity [μm]	Price [¥]
ECO10G10/P2	10	10–16	*
ECO10103/P2	10	16–40	*
ECO10104/P2	10	40–100	*
ECO15G10/P2	15	10–16	*
ECO15103/P2	15	16–40	*
ECO15104/P2	15	40–100	*
ECO25G10/P2	25	10–16	*
ECO25103/P2	25	16–40	*
ECO25104/P2	25	40–100	*
ECO50G10/P2	50	10–16	*
ECO50103/P2	50	16–40	*
ECO50104/P2	50	40–100	*

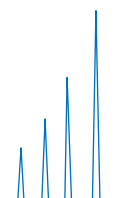
Polyethylene frits, pack of 1

Part No.	ID [mm]	Frit porosity [μm]	Price [¥]
ECO70AB110PE/10	70	10 μm	*
ECO80AB110PE/10	80	10 μm	*

Stainless steel frits, pack of 1

Part No.	ID [mm]	Frit porosity [μm]	Price [¥]
ECO70SR110SS/10	70	10 μm	*
ECO80SR110SS/10	80	10 μm	*

* 価格についてはお問い合わせください。



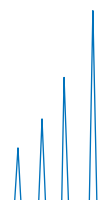
Accessories

ECO coupling units

Tubing

Fittings (nuts and ferrules) and adapters

Column stands



ECO coupling units

Included: O-rings
 AB versions: Viton/EPDM O-rings and POM coupling unit
 SR versions: Kalrez® O-rings and PVDF coupling unit

Not included: Glass body for the packing adapter (see page 26)



Aqueous Buffer (AB) versions

Part No.	ID [mm]	Pressure limit [bar]	Price [¥]
ECO10KU/V-3	10	30	*
ECO15KU/V-3	15	25	*
ECO25KU/V-3	25	15	*
ECO50KU/V-3	50	10	*
ECO70KU/E-2	70	1	*
ECO80KU/E	80	1	*



Solvent Resistant (SR) versions

Part No.	ID [mm]	Pressure limit [bar]	Price [¥]
ECO10KU/K-3	10 mm	30	*
ECO15KU/K-3	15 mm	25	*
ECO25KU/K-3	25 mm	15	*
ECO50KU/K-3	50 mm	10	*

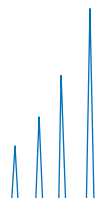
O-rings for AB coupling units (Viton/EPDM)

Part No.	ID [mm]	Price [¥]
ECO10KU/V/P2	10 mm	*
ECO15KU/V/P2	15 mm	*
ECO25KU/V/P2-2	25 mm	*
ECO50KU/V/P2-2	50 mm	*

O-rings for SR coupling units (Kalrez®)

Part No.	ID [mm]	Price [¥]
ECO10KU11K/P2	10 mm	*
ECO15KU11K/P2-2	15 mm	*
ECO25KU11K/P2-2	25 mm	*
ECO50KU11K/P2-2	50 mm	*

* 価格についてはお問い合わせください。



Tubing

Part No.	Description	Price [¥]
PT0,8FE1,6/M5	FEP tubing, 0.8 x 1.6 mm OD (1/16" OD), PK of 5 metres	*
PT1,6FE3,2/M5	FEP tubing, 1.6 x 3.2 mm OD (1/8" OD), PK of 5 metres	*
JR-T-082-M3	Tefzel tubing 0.5 x 1.6 OD (1/16" OD), PK of 3 metres	*
PT2,4FE3,2/M5	FEP-tubing 2.4 x 3.2 mm OD (1/8" OD), PK of 5 metres	*

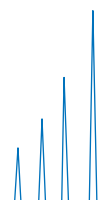
Fittings (nuts and ferrules) and adapters

Part No.	Description	Price [¥]
K.P255	Nut, 1/4"-28, PPS, for collapsible ferrule for 1/16" tubing, PK of 10	*
K.P331	Nut, 1/4"-28, PPS, for collapsible ferrule for 1/8" tubing, PK of 10	*
JR-58000-5	10-32 nut/ferrule (one-piece-fitting) for 1/16" tubing, PK of 5	*
JR-CFL-CB1KF	Ferrule, collapsible, for 1/16" tubing, PK of 10	*
JR-CFL-CB2KF-10	Ferrule, collapsible, for 1/8" tubing, PK of 10	*
K.P200NX	Flangeless ferrule for 1/16" tubing, PK of 10	*
K.P201X	Nut 1/4"-28G for 1/16" tubing, PK of 10	*
K.P207X	M6 nut for 1/16" tubing, PK of 10	*
K.P300NX	Ferrule for 1/8" tubing, PK of 10	*
K.P301X	Nut 1/4"-28G for 1/8" tubing, PK of 10	*
K.P307X	M6 nut, for 1/8" tubing, PK of 10	*
K.P316-5	Plug PTFE (1/4"-28G), PK of 5	*
K.P620-5	Female connector (both ends threaded 1/4"-28G), PK of 5	*
K.P621-5	Adapter 1/4"-28G female to M6 female, PK of 5	*
K.P627	Adapter 10-32 female to 1/4"-28G female (incl. 1 F-300 fitting for 1/16" tubing)	*
K.P670	Adapter 1/4"-28G male to M6 female	*
JR-0636-PCTFE/P2	Adapter 10-32 female to 1/4"-28G male, PK of 2	*

Column stands (tripod with column holder)

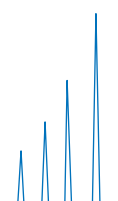
Part No.	Description	Price [¥]
ECO25/FUSS-3	ECO column stand, 25 mm ID	*
ECO50/FUSS-3	ECO column stand, 50 mm ID	*
ECO70/FUSS-3	ECO column stand, 70 mm ID	*
ECO80/FUSS-3	ECO column stand, 80 mm ID	*

* 価格についてはお問い合わせください。



仕様は予告なく変更することがあります。

価格は2025年3月現在の国内販売のための製品価格です。価格には消費税は含みません。



YMC

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