

Fraction collectors

Foxy® R1 & Foxy® R2

The Foxy® R1 and Foxy® R2 are automated fraction collectors for robust and reliable collection of fractions and can be used universally in research laboratories, for routine investigations, for analytical tasks, for semi-preparative separations and for bio compatible applications. The two-rack Foxy® R2 fraction collector uses radio frequency identification to automatically detect collection racks for easy setup.

A variety of software control options is available: KNAUER offers various options for drivers. Detailed information on page 71.



Key features:

- Collect uniform fractions by time or pumped volume.
- Collect peaks of interest separately using any combination of slope, level, and time.
- Stores up to 8 collection methods.
- Choice of available racks
- Cooling option available (special cooling rack, cooling option and thermostat necessary)
- Coldroom-storage possible
- Easy to use symbolic touch screen interface
- Fast tube changes
- Small delay volume between diverter valve and drop former

Specifications Fraction collector Foxy® R1/R2

Number of racks	Foxy® R1: 1 Foxy® R2: 2
RFID rack recognition	Foxy® R1: no Foxy® R2: yes
Capillary connection	1/16", 1/8" or 1/4"
Fractionation modes	drop counting, time intervals, volume intervals
Fractionation flow rate	Foxy® R1: max. 125 ml/min (1/16": up to 25 ml/min) Foxy® R2: max 1000 ml/min (1/8": up to 125 ml/min)
Diverter valve	drop former (NC): 110 µl waste (NO): 130 µl
Wetted materials	valve: PEEK and perfluoroelastomer (FFKM), supplied ferrules: ETFE, supplied valve tubing: PTFE, supplied drain tubing: vinyl
Fractionation control	operator: front panel control via touch screen LCD integrated systems: direct communication via Ethernet (TCP/IP) and RS-232 serial communications
Maximum test tube height	Foxy® R1: 160 mm, Foxy® R2: 196 mm, Foxy® R2 1/4": 180 mm
Cooling option	Special cooling racks, cooling option and thermostat necessary
Communication	
Control	LAN, RS-232
Technical parameters	
Conformity	CE, CSA
Display	touch screen LCD displays
Ambient conditions	0 – 40 °C, 32 – 104 °F
General	
Power supply	100 – 240 VAC, 50 – 60 Hz, max. 1 A
Dimensions	Foxy® R1: 31.1 x 35,5 x 33 mm (W x D x H) Foxy® R2: 31.1 x 37,8 x 53,3 mm (W x D x H) Foxy® R2 1/4": 31.1 x 39,4 x 53,3 mm (W x D x H)
Weight	Foxy® R1: 7.1 kg, Foxy® R2: 10.3 kg, Foxy® R2 1/4": 10.4 kg

Ordering details:

A59100	Fraction collector Foxy® R1, for 1/16" or 1/8" tubing
A59102	Fraction collector Foxy® R2, for 1/8" tubing
A591021	Fraction collector Foxy® R2, for 1/4" tubing

Racks for Foxy® R1/R2

Specification:

Article number	max volume (ml)	vessel outer diameter (mm)	vessel length (mm)	Rack	Foxy® R1 capacity	Foxy® R2 capacity
A59103	5	12	75	12 mm test tubes	144	288
A59103	7	12	100	12 mm test tubes	144	288
A59104	9	13	100	13 mm test tubes	144	288
A59105	11.5	16	100	16 mm test tubes	100	200
A59105	15	16	125	16 mm test tubes	100	200
A59105	20	16	150	16 mm test tubes	100	200
A59106	15	17	120	15 ml Falcon tubes	72	144
A59106	27	18	150	18 mm test tubes	72	144
A59106	32	18	180	18 mm test tubes	n/a	144
A59108	60	25	150	25 mm test tubes	36	72
A59108	70	25	180	25 mm test tubes	n/a	72
A59107	1,5	10	40	1.5 ml mirco-centrifuge or Eppendorf tubes	60	120
A59111	0.33-2.2	n/a	n/a	96-well microplates	2	4 or 6
A59110	50	29	123	50 ml Falcon tubes	36	72
A59114	480	68	165	bottle	9	18
A59109	unlimited	n/a	n/a	funnel	36	36 or 72
A591091	unlimited	n/a	n/a	funnel	n/a	26
A59117	1.5	10	40	1.5 ml mirco-centrifuge or Eppendorf tubes	144	n/a
A59118	15	17	120	15 ml Falcon tubes	72	n/a
A59119	0.33-2.2	n/a	n/a	96-well microplates	2	n/a

Ordering details:

- A59111 Rack for 2 microwell plates 96 well for fraction collector Foxy® R1/R2
- A59110 Rack for 36 falcons 50 ml for fraction collector Foxy® R1/R2
- A59109 Prep. funnelrack for Foxy® R1R2 36 places with vinyl tubing
- A591091 Prep. funnelrack for Foxy® R2 26 places with vinyl tubing
- A59108 Rack for 36 vials 25 mm for fraction collector Foxy® R1/R2
- A59107 Rack for 60 tubes 1.5 ml for fraction collector Foxy® R1/R2
- A59106 Rack for 72 falcons 15 ml for fraction collector Foxy® R1/R2
- A59105 Rack for 100 vials 16 mm for fraction collector Foxy® R1/R2
- A59104 Rack for 144 vials 12 mm for fraction collector Foxy® R1/R2
- A59103 Rack for 144 vials 12 mm for fraction collector Foxy® R1/R2
- A59114 Racks for 2 x 9 bottles 480 ml for fraction collector Foxy® R2 (only for Foxy® R2 480 ml bottles which are too tall for Foxy® R1)
- A59112 Funnel trays for fraction collector Foxy® R1/R2 (10 pieces)
- A59117* Cooling rack for 144 tubes 1.5 ml for fraction collector Foxy® R1 with cooling
- A59118* Cooling rack for 72 falcons 15 ml for fraction collector Foxy® R1 with cooling
- A59119* Cooling rack for microwell plates for fraction collector Foxy® R1 with cooling
- A59122 Cooling option with cooling hood, cooling plate and accessories
- A70050 Thermostatting unit -40° to 200°C
- A70055 Thermostatting unit -20° to 40°C
- A591092 Scintillation rack for 36 vials 28 mm for fraction collector Foxy® R1/R2



***For Foxy R1 with cooling option**