BIOSPECTRIX PVT LTD

BSSCXTR-1L



BioSpectrix SCXTR-1 Liter

TOP SELLING MODELS

SN.	MAIN CONFIGURATION	Technical Parameters
1	Extraction vessel	Volume:1 L Designed pressure: 50MPa: Maximum working pressure: 44MPa
2	Separation vessel	Volume: 0.50 + 0.4L Designed Pressure: 25MPa, Maximum working pressure: 20MPa
3	Co-solvent pump	Maximum flow rate: 5L/h (flow frequency conversion adjustment) Ouflet pressure: 16MPa, Flow material: Stainless steel 304 Ceramic single plunger
4	CO2 high pressure pump	Maximum flow flow rate rate 30L/h (flow frequency conversion adjustment) Outlet pressure: 50 50MPa, flow material: Stainless steel 304 Ceramic three plungers, pump head with cooling system
5	Cooling system	Air cooling Temperature tange: 5°C~+10°C
6	Extractor heat exchanger	Designed pressure: 50MPa, Maximum working pressure:46MPa Material: Stanless steel 304 Ensure the required temperature of CO2 fluid enters extraction vessels
7	Separator heat exchanger	Designed pressure: 25MPa: Maximum working pressure: 20MPa Material: Stanless steel 304 Ensure the required temperature of CO2 fluid enters separation vessels Stainless steel
8	Temperature control system	Room temperature-85°C adjustable
9	Purification system	Volume: 0.5 Liter Designed pressure: 16MPa: Maximum working pressure: 14MPO
10	Mixer	Volume: 0.5 Liter Volume: 0.5Liter Designed pressure: 50MPa: Maximum working pressure: 46MPa
11	CO2 storage tank	Volume: 4 Liter Designed pressure: 16MPa: Maximum working pressure: 14MPa
12	Flow meter	Metal tube float flow meter D-60L/H (Flow rate display on operation touch screen)
13	Operation touch screen	Heat setting of extraction and separations vessel, Stort-stop of CO2 high pressure pump and Co-solvent pump. Working status display.
14	Safety protection system	CO2 high-pressure pump. Extraction vessels, Separation vessels, CO2 storage tanks, are all equipped with safety valves. Software system built-in overpressure alarm system
15	User supplied	installation dimension: 3200x1300x1600mm Liquid CO2: Food grade 99.9%, single bottle net weight 22KGS Food grade alcohol >99% Power: 3-phase

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BSSCXTR-2L



BioSpectrix SCXTR-2 Liter

TOP SELLING MODELS

SN.	MAIN CONFIGURATION	Technical Parameters
1	Extraction vessel	Volume: 2L Designed pressure: 50MPa: Maximum working pressure: 46MPa
2	Separation vessel	Volume: 1L + 0.5L Designed Pressure: 25MPa, Maximum working pressure: 20MPa
3	Co-solvent pump	Maximum flow rate: 5L/h (flow frequency conversion adjustment) Ouflet pressure: 16MPa, Flow material: Stainless steel 304 Ceramic single plunger
4	CO2 high pressure pump	Maximum flow flow rate rate 30L/h (flow frequency conversion adjustment) Outlet pressure: 50 50MPa, flow material: Stainless steel 304 Ceramic three plungers, pump head with cooling system
5	Cooling system	Air cooling Temperature tange: 5°C~+10°C
6	Extractor heat exchanger	Designed pressure: 50MPa, Maximum working pressure:46MPa Material: Stanless steel 304 Ensure the required temperature of CO2 fluid enters extraction vessels
7	Separator heat exchanger	Designed pressure: 25MPa: Maximum working pressure: 20MPa Material: Stanless steel 304 Ensure the required temperature of CO2 fluid enters separation vessels Stainless steel
8	Temperature control system	Room temperature-85°C adjustable
9	Purification system	Volume: 0.5 Liter Designed pressure: 16MPa: Maximum working pressure: 14MPO
10	Mixer	Volume: 0.5 Liter Volume: 0.5Liter Designed pressure: 50MPa: Maximum working pressure: 46MPa
11	CO2 storage tank	Volume: 4 Liter Designed pressure: 16MPa: Maximum working pressure: 14MPa
12	Flow meter	Metal tube float flow meter D-60L/H (Flow rate display on operation touch screen)
13	Operation touch screen	Heat setting of extraction and separations vessel, Stort-stop of CO2 high pressure pump and Co-solvent pump. Working status display.
14	Safety protection system	CO2 high-pressure pump. Extraction vessels, Separation vessels, CO2 storage tanks, are all equipped with safety valves. Software system built-in overpressure alarm system
15	User supplied	installation dimension: 3280x1300x1600mm Liquid CO2: Food grade 99.9%, single bottle net weight 22KGS Food grade alcohol >99% Power: 3-phase

BSSCXTR-5L



BioSpectrix SCXTR-5 Liter

TOP SELLING MODELS

SN.	MAIN CONFIGURATION	Technical Parameters
1	Extraction vessel	Volume: 5L Designed pressure: 50MPa: Maximum working pressure: 46MPa
2	Separation vessel	Volume: 2.5L + 1L Designed Pressure: 25MPa, Maximum working pressure: 20MPa
3	Co-solvent pump	Maximum flow rate: 5L/h (flow frequency conversion adjustment) Ouflet pressure: 16MPa, Flow material: Stainless steel 304 Ceramic single plunger
4	CO2 high pressure pump	Maximum flow flow rate rate 30L/h (flow frequency conversion adjustment) Outlet pressure: 50 50MPa, flow material: Stainless steel 304 Ceramic three plungers, pump head with cooling system
5	Cooling system	Air cooling Temperature tange: 5°C~+10°C
6	Extractor heat exchanger	Designed pressure: 50MPa, Maximum working pressure:46MPa Material: Stanless steel 304 Ensure the required temperature of CO2 fluid enters extraction vessels
7	Separator heat exchanger	Designed pressure: 25MPa: Maximum working pressure: 20MPa Material: Stanless steel 304 Ensure the required temperature of CO2 fluid enters separation vessels Stainless steel
8	Temperature control system	Room temperature-85°C adjustable
9	Purification system	Volume: 0.5 Liter Designed pressure: 16MPa: Maximum working pressure: 14MPO
10	Mixer	Volume: 0.5 Liter Volume: 0.5Liter Designed pressure: 50MPa: Maximum working pressure: 46MPa
11	CO2 storage tank	Volume: 7 Liter Designed pressure: 16MPa: Maximum working pressure: 14MPa
12	Flow meter	Metal tube float flow meter D-60L/H (Flow rate display on operation touch screen)
13	Operation touch screen	Heat setting of extraction and separations vessel, Stort-stop of CO2 high pressure pump and Co-solvent pump. Working status display.
14	Safety protection system	CO2 high-pressure pump. Extraction vessels, Separation vessels, CO2 storage tanks, are all equipped with safety valves. Software system built-in overpressure alarm system
15	User supplied	installation dimension: 4150x1170x1650mm Liquid CO2: Food grade 99.9%, single bottle net weight 22KGS Food grade alcohol >99% Power: 3-phase

BSSCXTR-6L



BioSpectrix SCXTR-6 Liter

TOP SELLING MODELS

SN.	MAIN CONFIGURATION	Technical Parameters
1	Extraction vessel	Volume: 5L + 1L Designed pressure: 50MPa: Maximum working pressure: 46MPa
2	Separation vessel	Volume: 2.5L + 1L Designed Pressure: 25MPa, Maximum working pressure: 20MPa
3	Co-solvent pump	Maximum flow rate: 5L/h (flow frequency conversion adjustment) Ouflet pressure: 16MPa, Flow material: Stainless steel 304 Ceramic single plunger
4	CO2 high pressure pump	Maximum flow flow rate rate 30L/h (flow frequency conversion adjustment) Outlet pressure: 50 50MPa, flow material: Stainless steel 304 Ceramic three plungers, pump head with cooling system
5	Cooling system	Air cooling Temperature tange: 5℃~+10℃
6	Extractor heat exchanger	Designed pressure: 50MPa, Maximum working pressure:46MPa Material: Stanless steel 304 Ensure the required temperature of CO2 fluid enters extraction vessels
7	Separator heat exchanger	Designed pressure: 25MPa: Maximum working pressure: 20MPa Material: Stanless steel 304 Ensure the required temperature of CO2 fluid enters separation vessels Stainless steel
8	Temperature control system	Room temperature-85°C adjustable
9	Purification system	Volume: 0.5 Liter Designed pressure: 16MPa: Maximum working pressure: 14MPO
10	Mixer	Volume: 0.5 Liter Volume: 0.5Liter Designed pressure: 50MPa: Maximum working pressure: 46MPa
11	CO2 storage tank	Volume: 7 Liter Designed pressure: 16MPa: Maximum working pressure: 14MPa
12	Flow meter	Metal tube float flow meter D-60L/H (Flow rate display on operation touch screen)
13	Operation touch screen	Heat setting of extraction and separations vessel, Stort-stop of CO2 high pressure pump and Co-solvent pump. Working status display.
14	Safety protection system	CO2 high-pressure pump. Extraction vessels, Separation vessels, CO2 storage tanks, are all equipped with safety valves. Software system built-in overpressure alarm system
15	User supplied	installation dimension: 3090x1170x1800mm Liquid CO2: Food grade 99.9%, single bottle net weight 22KGS Food grade alcohol >99% Power: 3-phase

BSSCXTR-5LX2



BioSpectrix SCXTR-10 Liter

TOP SELLING MODELS

SN.	MAIN CONFIGURATION	Technical Parameters
1	Extraction vessel	Volume: 5L +5L Designed pressure: 50MPa: Maximum working pressure: 46MPa
2	Separation vessel	Volume: 2.5L + 2L Designed Pressure: 25MPa, Maximum working pressure: 20MPa
3	Co-solvent pump	Maximum flow rate: 5L/h (flow frequency conversion adjustment) Ouflet pressure: 16MPa, Flow material: Stainless steel 304 Ceramic single plunger
4	CO2 high pressure pump	Maximum flow flow rate rate 30L/h (flow frequency conversion adjustment) Outlet pressure: 50 50MPa, flow material: Stainless steel 304 Ceramic three plungers, pump head with cooling system
5	Cooling system	Air cooling Temperature tange: 5℃~+10℃
6	Extractor heat exchanger	Designed pressure: 50MPa, Maximum working pressure:46MPa Material: Stanless steel 304 Ensure the required temperature of CO2 fluid enters extraction vessels
7	Separator heat exchanger	Designed pressure: 25MPa: Maximum working pressure: 20MPa Material: Stanless steel 304 Ensure the required temperature of CO2 fluid enters separation vessels Stainless steel
8	Temperature control system	Room temperature-85°C adjustable
9	Purification system	Volume: 1 Liter Designed pressure: 16MPa: Maximum working pressure: 14MPa
10	Mixer	Volume: 0.5 Liter Designed pressure: 50MPa: Maximum working pressure: 46MPa
11	CO2 storage tank	Volume: 7 Lifer Designed pressure: 16MPa: Maximum working pressure: 14MPa
12	Flow meter	Metal tube float flow meter D-60L/H (Flow rate display on operation touch screen)
13	Operation touch screen	Heat setting of extraction and separations vessel, Stort-stop of CO2 high pressure pump and Co-solvent pump. Working status display.
14	Safety protection system	CO2 high-pressure pump. Extraction vessels, Separation vessels, CO2 storage tanks, are all equipped with safety valves. Software system built-in overpressure alarm system
15	User supplied	installation dimension: 3700x1280x1800mm Liquid CO2: Food grade ≥ 99.9%, single bottle net weight ≥ 22KGS Food grade alcohol ≥ 99% Power: 3-phase

BSSCXTR-10LX2

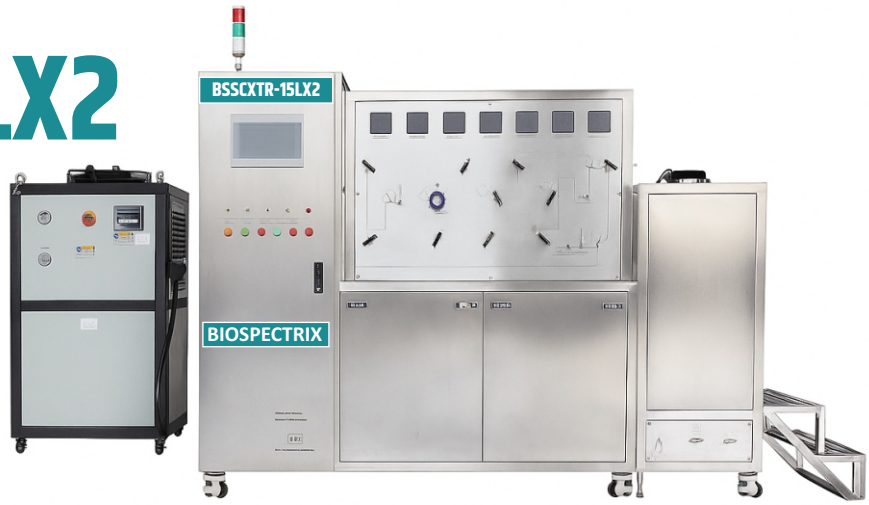


BioSpectrix SCXTR-20 Liter

TOP SELLING MODELS

SN.	MAIN CONFIGURATION	Technical Parameters
1	Extraction vessel	Volume: 10L +10L Designed pressure: 50MPa: Maximum working pressure: 36MPa
2	Separation vessel	Volume:5L + 3L Designed Pressure: 25MPa, Maximum working pressure: 20MPa
3	Co-solvent pump	Maximum flow rate: 5L/h (flow frequency conversion adjustment) Ouflet pressure: 16MPa, Flow material: Stainless steel 304 Ceramic single plunger
4	CO2 high pressure pump	Maximum flow flow rate rate 30L/h (flow frequency conversion adjustment) Outlet pressure: 50 50MPa, flow material: Stainless steel 304 Ceramic three plungers, pump head with cooling system
5	Cooling system	Air cooling Temperature tange: 5°C~+10°C
6	Extractor heat exchanger	Designed pressure:40MPa, Maximum working pressure:36MPa Material: Stanless steel 304 Ensure the required temperature of CO2 fluid enters extraction vessels
7	Separator heat exchanger	Designed pressure: 25MPa: Maximum working pressure: 20MPa Material: Stanless steel 304 Ensure the required temperature of CO2 fluid enters separation vessels Stainless steel
8	Temperature control system	Room temperature-85°C adjustable
9	Purification system	Volume: 1 Liter Designed pressure: 16MPa: Maximum working pressure: 14MPa
10	Mixer	Volume: 0.5 Liter Designed pressure: 40MPa: Maximum working pressure:36MPa
11	CO2 storage tank	Volume: 7 Lifer Designed pressure: 16MPa: Maximum working pressure: 14MPa
12	Flow meter	Metal tube float flow meter 0-100L/H (Flow rate display on operation touch screen)
13	Operation touch screen	Heat setting of extraction and separations vessel, Stort-stop of CO2 high pressure pump and Co-solvent pump. Working status display.
14	Safety protection system	CO2 high-pressure pump. Extraction vessels, Separation vessels, CO2 storage tanks, are all equipped with safety valves. Software system built-in overpressure alarm system
15	User supplied	installation dimension: 3800x1780x1800mm Liquid CO2: Food grade ≥ 99.9%, single bottle net weight ≥ 22KGS Food grade alcohol ≥ 99% Power: 3-phase

BSSCXTR-15LX2



BioSpectrix SCXTR-30 Liter

TOP SELLING MODELS

SN.	MAIN CONFIGURATION	Technical Parameters
1	Extraction vessel	Volume: 15L +15L Designed pressure: 40MPa: Maximum working pressure: 36MPa
2	Separation vessel	Volume:7L +4L Designed Pressure: 25MPa, Maximum working pressure: 20MPa
3	Co-solvent pump	Maximum flow rate: 5L/h (flow frequency conversion adjustment) Ouflet pressure: 16MPa, Flow material: Stainless steel 304 Ceramic single plunger
4	CO2 high pressure pump	Maximum flow flow rate rate 30L/h (flow frequency conversion adjustment) Outlet pressure: 38MPa, flow material: Stainless steel 304 Ceramic three plungers, pump head with cooling system
5	Cooling system	Air cooling Temperature tange: 5°C~+10°C
6	Extractor heat exchanger	Designed pressure:40MPa, Maximum working pressure:36MPa Material: Stanless steel 304 Ensure the required temperature of CO2 fluid enters extraction vessels
7	Separator heat exchanger	Designed pressure: 25MPa: Maximum working pressure: 20MPa Material: Stanless steel 304 Ensure the required temperature of CO2 fluid enters separation vessels Stainless steel
8	Temperature control system	Room temperature-85°C adjustable
9	Purification system	Volume: 2Liter Designed pressure: 16MPa: Maximum working pressure: 14MPa
10	Mixer	Volume: 1 Liter Designed pressure: 40MPa: Maximum working pressure:36MPa
11	CO2 storage tank	Volume: 15Liter Designed pressure: 16MPa: Maximum working pressure: 14MPa
12	Flow meter	Metal tube float flow meter 0-200L/H (Flow rate display on operation touch screen)
13	Operation touch screen	Heat setting of extraction and separations vessel, Stort-stop of CO2 high pressure pump and Co-solvent pump. Working status display.
14	Safety protection system	CO2 high-pressure pump. Extraction vessels, Separation vessels, CO2 storage tanks, are all equipped with safety valves. Software system built-in overpressure alarm system
15	User supplied	installation dimension: 3000x2950x1800mm Liquid CO2: Food grade ≥ 99.9%, single bottle net weight ≥ 22KGS Food grade alcohol ≥ 99% Power: 3-phase

BSSCXTR-25LX2



BioSpectrix SCXTR-50 Liter

TOP SELLING MODELS

SN.	MAIN CONFIGURATION	Technical Parameters
1	Extraction vessel	Volume: 25L +25L Designed pressure: 40MPa: Maximum working pressure: 36MPa
2	Separation vessel	Volume:17L +15L Designed Pressure: 25MPa, Maximum working pressure: 20MPa
3	Co-solvent pump	Maximum flow rate: 5L/h (flow frequency conversion adjustment) Ouflet pressure: 16MPa, Flow material: Stainless steel 304 Ceramic single plunger
4	CO2 high pressure pump	Maximum flow flow rate rate 400L/h (flow frequency conversion adjustment) Outlet pressure: 38MPa, flow material: Stainless steel 304 Ceramic three plungers, pump head with cooling system
5	CO2 high reccvery pump	Recover pressure less than 6Mpa recover CO2 to storage tank oil free compressor
6	Cooling system	Air cooling Temperature tange: 5℃~+10℃
7	Extractor heat exchanger	Designed pressure:40MPa, Maximum working pressure:36MPa Material: Stanless steel 304 Ensure the required temperature of CO2 fluid enters extraction vessels
8	Separator heat exchanger	Designed pressure: 25MPa: Maximum working pressure: 20MPa Material: Stanless steel 304 Ensure the required temperature of CO2 fluid enters separation vessels Stainless steel
9	Temperature control system	Room temperature-85°C adjustable
10	Purification system	Volume: 5Liter Designed pressure: 16MPa: Maximum working pressure: 14MPa
11	Mixer	Volume: 3 Liter Designed pressure: 40MPa: Maximum working pressure:36MPa
12	CO2 storage tank	Volume: 30Liter Designed pressure: 9MPa: Maximum working pressure: 8MPa
13	Flow meter	Metal tube float flow meter 0-400L/H (Flow rate display on operation touch screen)
14	Operation touch screen	Heat setting of extraction and separations vessel, Stort-stop of CO2 high pressure pump and Co-solvent pump. Working status display.
15	Safety protection system	CO2 high-pressure pump. Extraction vessels, Separation vessels, CO2 storage tanks, are all equipped with safety valves. Software system built-in overpressure alarm system
16	User supplied	installation dimension: 4920x5030x3600mm Liquid CO2: Food grade ≥ 99.9%, single bottle net weight ≥ 22KGS Food grade alcohol ≥ 99% Power: 3-phase

BSSCXTR-50LX2



BioSpectrix SCXTR-100 Liter

TOP SELLING MODELS

SN.	MAIN CONFIGURATION	Technical Parameters
1	Extraction vessel	Volume: 50L +50L Designed pressure: 40MPa: Maximum working pressure: 36MPa
2	Separation vessel	Volume:27L +17L Designed Pressure: 25MPa, Maximum working pressure: 20MPa
3	Co-solvent pump	Maximum flow rate: 10L/h (flow frequency conversion adjustment) Ouflet pressure:38MPa, Flow material: Stainless steel 304 Ceramic single plunger
4	CO2 high reccvery pump	Recover pressure less than 6Mpa recover CO2 to storage tank oil free compressor
5	CO2 high pressure pump	Maximum flow flow rate rate 600L/h (flow frequency conversion adjustment) Outlet pressure: 38MPa, flow material: Stainless steel 304 Ceramic three plungers, pump head with cooling system
6	Cooling system	Air cooling Temperature tange: 5°C~+10°C
7	Extractor heat exchanger	Designed pressure:40MPa, Maximum working pressure:36MPa Material: Stanless steel 304 Ensure the required temperature of CO2 fluid enters extraction vessels
8	Separator heat exchanger	Designed pressure: 25MPa: Maximum working pressure: 20MPa Material: Stanless steel 304 Ensure the required temperature of CO2 fluid enters separation vessels Stainless steel
9	Temperature control system	Room temperature-85°C adjustable
10	Purification system	Volume: 5Liter +7 Liter Designed pressure: 16MPa: Maximum working pressure: 14MPa
11	Mixer	Volume: 5 Liter Designed pressure: 40MPa: Maximum working pressure:36MPa
12	CO2 storage tank	Volume: 30Liter Designed pressure: 9MPa: Maximum working pressure: 8MPa
13	Flow meter	Metal tube float flow meter 0-1000L/H (Flow rate display on operation touch screen)
14	Operation touch screen	Heat setting of extraction and separations vessel, Stort-stop of CO2 high pressure pump and Co-solvent pump. Working status display.
15	Safety protection system	CO2 high-pressure pump. Extraction vessels, Separation vessels, CO2 storage tanks, are all equipped with safety valves. Software system built-in overpressure alarm system
16	User supplied	installation dimension: 6000x4000x4100mm Liquid CO2: Food grade ≥ 99.9%, single bottle net weight ≥ 22KGS Food grade alcohol ≥ 99% Power: 3-phase

BSSCXTR-50LX4



BioSpectrix SCXTR-200 Liter

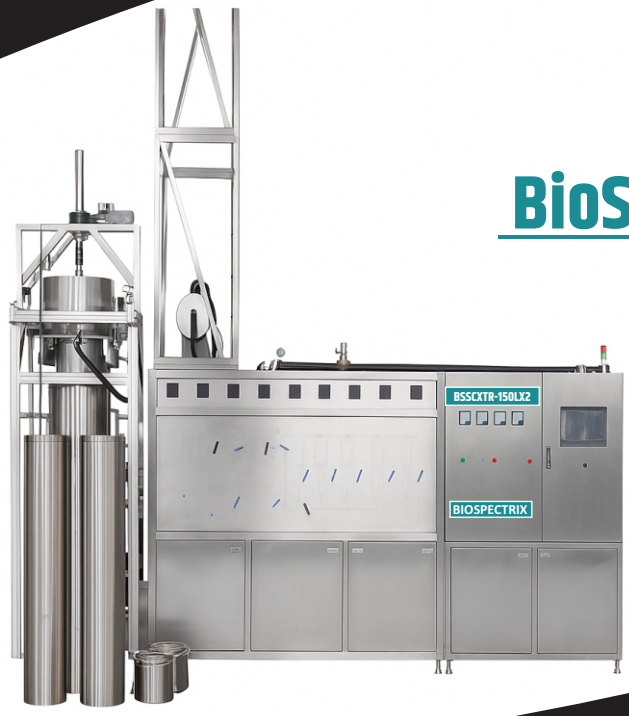
TOP SELLING MODELS

SN.	MAIN CONFIGURATION	Technical Parameters
1	Extraction vessel	Volume: 50L x4 Designed pressure: 40MPa: Maximum working pressure: 36MPa
2	Separation vessel	Volume:27L +17L Designed Pressure: 25MPa, Maximum working pressure: 20MPa
3	Co-solvent pump	Maximum flow rate: 20L/h (flow frequency conversion adjustment) Ouflet pressure:38MPa, Flow material: Stainless steel 304 Ceramic single plunger
4	CO2 high pressure pump	Maximum flow flow rate rate 800L/h (flow frequency conversion adjustment) Outlet pressure: 38MPa, flow material: Stainless steel 304 Ceramic three plungers, pump head with cooling system
5	CO2 high reccvery pump	Recover pressure less than 6Mpa recover CO2 to storage tank oil free compressor
6	Cooling system	Air cooling Temperature tange: 5℃~+10℃
7	Extractor heat exchanger	Designed pressure:40MPa, Maximum working pressure:36MPa Material: Stanless steel 304 Ensure the required temperature of CO2 fluid enters extraction vessels
8	Separator heat exchanger	Designed pressure: 25MPa: Maximum working pressure: 20MPa Material: Stanless steel 304 Ensure the required temperature of CO2 fluid enters separation vessels Stainless steel
9	Temperature control system	Room temperature-85°C adjustable
10	Purification system	Volume: 5Liter +7 Liter Designed pressure: 16MPa: Maximum working pressure: 14MPa
11	Mixer	Volume: 5 Liter Designed pressure: 40MPa: Maximum working pressure:36MPa
12	CO2 storage tank	Volume: 100 Liter +100 L Designed pressure: 9MPa: Maximum working pressure: 8MPa
13	Flow meter	Metal tube float flow meter 0-1000L/H (Flow rate display on operation touch screen)
14	Operation touch screen	Heat setting of extraction and separations vessel, Stort-stop of CO2 high pressure pump and Co-solvent pump. Working status display.
15	Safety protection system	CO2 high-pressure pump. Extraction vessels, Separation vessels, CO2 storage tanks, are all equipped with safety valves. Software system built-in overpressure alarm system
16	User supplied	installation dimension: 6950x4750x4100mm Liquid CO2: Food grade ≥ 99.9%, single bottle net weight ≥ 22KGS Food grade alcohol ≥ 99% Power: 3-phase

BSSCXTR-150LX2

BioSpectrix SCXTR-300 Liter

TOP SELLING MODELS



SN.	MAIN CONFIGURATION	Technical Parameters
1	Extraction vessel	Volume: 150L x2 Designed pressure: 40MPa: Maximum working pressure: 36MPa
2	Separation vessel	Volume:29L +17L Designed Pressure: 25MPa, Maximum working pressure: 20MPa
3	Co-solvent pump	Maximum flow rate: 20L/h (flow frequency conversion adjustment) Ouflet pressure:16MPa, Flow material: Stainless steel 304 Ceramic single plunger
4	CO2 high pressure pump	Maximum flow flow rate rate 1200L/h (flow frequency conversion adjustment) Outlet pressure: 38MPa, flow material: Stainless steel 304 Ceramic three plungers, pump head with cooling system
5	CO2 high reccvery pump	Recover pressure less than 6Mpa recover CO2 to storage tank oil free compressor
6	Cooling system	Air cooling Temperature tange: 5℃~+10℃
7	Extractor heat exchanger	Designed pressure:40MPa, Maximum working pressure:36MPa Material: Stanless steel 304 Ensure the required temperature of CO2 fluid enters extraction vessels
8	Separator heat exchanger	Designed pressure: 25MPa: Maximum working pressure: 20MPa Material: Stanless steel 304 Ensure the required temperature of CO2 fluid enters separation vessels Stainless steel
9	Temperature control system	Room temperature-85°C adjustable
10	Purification system	Volume: 5Liter +7 Liter Designed pressure: 16MPa: Maximum working pressure: 14MPa
11	Mixer	Volume: 5 Liter Designed pressure: 40MPa: Maximum working pressure:36MPa
12	CO2 storage tank	Volume: 100 Liter +100 L Designed pressure: 9MPa: Maximum working pressure: 8MPa
13	Flow meter	Metal tube float flow meter 1200L/H (Flow rate display on operation touch screen)
14	Operation touch screen	Heat setting of extraction and separations vessel, Stort-stop of CO2 high pressure pump and Co-solvent pump. Working status display.
15	Safety protection system	CO2 high-pressure pump. Extraction vessels, Separation vessels, CO2 storage tanks, are all equipped with safety valves. Software system built-in overpressure alarm system
16	User supplied	installation dimension: 6950x4700x5300mm Liquid CO2: Food grade ≥ 99.9%, single bottle net weight ≥ 22KGS Food grade alcohol ≥ 99% Power: 3-phase

BIOSPECTRIX PVT LTD

BSSCXTR-250LX2



BioSpectrix SCXTR-500 Liter

TOP SELLING MODELS

SN.	MAIN CONFIGURATION	Technical Parameters
1	Extraction vessel (Include quick opening device)	Volume: 250LX 2 Designed pressure: 40MPa; Maximum working pressure: 36MPa Stress analysis design, Stainless steel 304 overall forging, inner and outer inings and water jackets are made of Stainless steel 304 Clamp hydraulic quick-opening device, cover openingand closing sealing material made of carbon fibe tefion, which can be reused without swelling On-site pressure detection points set at inlet of extraction vessels. On-site pressure and temperature detection points set at outlet of extraction vessels. Pressure automatically adju ensure that pressure in extraction vessat are always within range of extraction process parameters. Equipped with Safety interlock machanism. safety valves and exhaust part are provided at outlate parts.
2	Separation vessel	Volume: 1000+100L Design pressure: 20MPa) Maximum we pressure: 18MPa Overall forging, inner and outer lining id water jacket materials Stainless steel 304. On-dte pressure & temperature detection points set at inlet and outlet of separation vessels. Pressure automatically adjusted to ensure pressure in extractors always within range of separation parameters. safety valves and exhaust part are provided at outlate parts.
3	Co-solvent pump	Maximum flow rate: 50L/h (flow frequency conversion odjustment) Outlet pressure 40MPa Flow material Stainless steel 304 Ceramic single plunger
	CO2 high pressure pump	Maximum flow rate 2000L/h (ficw frequency conversion adjustment) Outlet pressure: 38MPa, flow motenot Stainless steel 304 Ceramic three plungers, pump tread with cooling system
	CO2 recovery pump	Recover pressure less than 6MPO oil free compressor 100 standard square /hr
	Cooling system	Water-cooled screw compressor, equipped with cooling tower 100RT. Minimum temperature settings is 5° Start signal is remotely transmitted to PLC control system of extraction equipment with ratation failure alarm indicator light.
	Condenser	Design pressure, 9MPa: Maximum working pressure: 8.5MPa. Operating temperature: 10° Clube heat exchanger Contact with CO2 and water: Stainess steel 304. Outlet set with temperature transmitters to detect temperatures.
	Cold water storage tank	Operating temperature: -6℃-50 Material: Stainless steel 304 with glass tube level gouge
	Extractor heat exchanger	Designed pressure: 40MPa: Maximum working pressure:38MPa Material: Stainless steel 304 Ensure the required temperature of CO2 fluid enters Extraction vessels
	Separator heat exchanger	Designed pressure: 20MPa, Maximum working pressure: 18MPa Material: Stainless steel 304 Ensure the required temperature of CO2 fluid enters Extraction vessel.
	Temperature control system	Room temperature-85°C adjustable
	Purification system	Volume: 20Liter 20 Maximum work pressure: 16MP
	Buffer tank	Volume: 20Liter Designed pressure: 40MPO: Maxmur voting pure: 36MPa
	CO2 storage tank	Volume: 5000ter Designed pressure, 9MPa: Maximum working
	Outdoor storage tank	Volume 10m3, Design pressure: 2.27MPa, lovmperature container
	Mass flow meter	Flow range: 0-2000L, Maximum working pressure: 10MPa, cutput 4-20mo signal On-site display of instantaneous flow and cumulative flow with remote transmission function
	Control System	PLC control system, including control software, configuration software, PLC cabinet, frequency conversio cabinet, poor alstribution cabinet
	Safety protection system	CO2 high-pressure pump. Extraction visssels, Separation vessels. CO2 storage tanks, are all equipped with safety valves. Software system built-in overpressure alarm system
	Equipment platform	Steel frame platform, platform colume renforcement bors, etc.: carbon steel Platform panel carbon steel pottemed steel plate Platform guardrail decorative guardrail
	Equipment insulation	Containen, pipelines, hot and cold water tanks, etc. are insulated and decorated externally by stainless steel. Rubber and plastic sponges used for cold water and CO2 pipelines. Gloss wool used for hot water insulation.
	User supplied	Instaliation dimension: 9180x2500x6000mm plus operation space Liquid CO2 Food grade 99.9% Food grade alcohol 99% Power 3-phate

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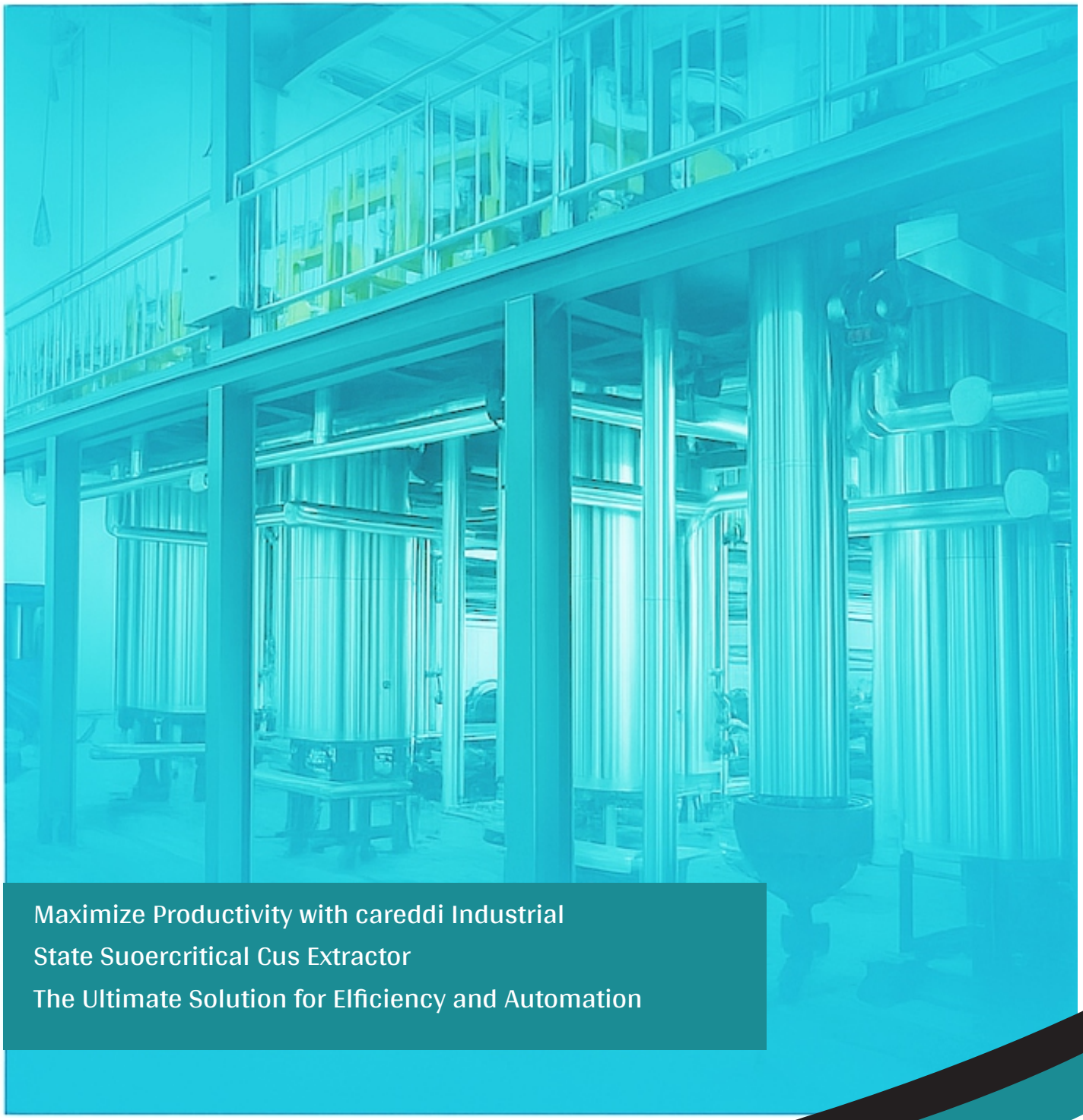
BIOSPECTRIX PVT LTD

BioSpectrix

BioSpectrix SCXTR-2100 Liter

BSSCXTR-700LX3

TOP SELLING MODELS



Maximize Productivity with careddi Industrial
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BioSpectrix Pvt. Ltd | Plot-211, 3rd Floor, Okhla Industrial Area, Phase-3, New Delhi -110020, India | www.biospectrix.co | sales@biospectrix.co

SN.	MAIN CONFIGURATION	Technical Parameters
1	Extraction vessel (Include quick opening device)	Volume: 700Lx3 Designed pure: 40MPa: Maximum woning pressure: 36MPa Clamp-type hydraulic quick open structure, equipped with safety interlock mechanim Wateringjacket setting pressure detection point and temperature detection point at inlet/outlet. Control tempreture and pressure inside extraction vessel automaticoly, pressure of extractor always in range of extraction porometers Temperature and pressure sensor set on CO2 pipe line entonces ondet.
2	Separation vessel	Volume: 300+300L Design pressure: 20MPa) Maximum we pressure: 18MPa Material contact part made of Stainless Steel 304, water jacket mode of Stalinikens Deel 304. Outet of separationvessels equipped with shock-resistant pressure gouge and high-precision pressure tansmitter to detect pressure, and PLC program desined pressure protection and other safety procedures. Outet is equipped with temperature detection. Set up solety accessories and exhaust parts.
3	Material cylinders	Materiat Stainless steel 304 Double-section structure. Volume 600L, Sealing materic de of carbor ber lefon, raccoble without swelling
4	CO2 storage tank	Volume 4000 Design pressure 9MPa, working pressure 8.55MPa, design temperature 5-45 C Material contact part mode of Stainless steel 304.Set up liquid level gauge,high -pressure trsnmitters , temperature sensors ,safety accessories ,and drain ports.
5	Outdoor storage tank	Volume 20m3 design pressure 2.20MPa, working pressure 2MPa. Vertical container used for CO2 storage. Set up liquid level siges high-pression pressurs transmitter, safety accessories, and drain port
6	Heat recovery chiller	Chilling copacity ≥ 480.000 kcal. Water-cooled screw compressor equipped with cooling tower, 2Automatically control chiller temperature, minimum temperature setting of 5°C Start, stop and alarm signals remotely transmitted to device PLC control system.
7	Pre-cooler	Design pressure 9MPa, working pressure 8.5MPa. Design temperatre 40°C Material; Stainless steel 304. Tube heat exchanger. Set temperature sensor to detect temperatures
8	Cold water tank	Volume 6m3 Design temperature 5°C-95°C Material: Stainless steel 304. Liquid level gauge displays liquid level liquid level remote transmission PLC system.
9	Hot water tank	Volume 6m3 Design temperature 5°C-95°C Material: Stainless steel 304. Liquid level gauge displays liquid level liquid level remote transmission PLC system.
10	Exhaust gas tank	Volume:1000 Desgh pressure 6.5MPa. Working pressure:6MPa. Design temperature 50°C
11	Loading and unloading trolley	Loading and unloading material cylinders
12	Co-solvent pump	Flow rate: 50L/h (frequency adjustable), mate ing pump Filter material:SS3304 stainless steel
13	1#CO2 high pressure pump	Flow rate: 5000L/h (frequency adjustable), Ceramic plunger Oil pump self-circulating cooing.
14	2#CO2 high pressure pump	Flow rate: 1000L/h (frequency adjustable), Ceramic plunger Oil pump self-circulating cooing.
15	CO2 recovery pump	Recover pressure less than 6MPa,oill free compressor 260m3/hr piston compressor; start, stop, alarm signals remotely transmitted to PLC system.
16	Extractor heat exchanger	Designed pressure: 40MPO: Maximum working pressure: 38MP Ensure the required temperature of CO2 fluid enters Extractionvessels
17	Separator heat exchanger	Designed pressure: 20MPO: Maximum working pressure: 18MP Ensure the required temperature of CO2 fluid enters Extractionvessels
18	Valves	Pneumatic high-pressure outomatic valve, high-pressure manual valve, process water pipeline valve. pneumatic solenoid valve one-way valve, safety valve
19	Temperature control system	Room temperature-85°C adjustable
20	Purification system	Volume: 20Literx20Liter , Design pressure:16MPa,Working pressure:14 MPa
21	Mass flow meter	Flow range: 0-8000L, Maximum working pressure: 10MPa,output 4-20ma signal On-site display of instantaneous flow and cumulative flow and synchronous display by the host computer
22	Safety protection system	CO2 high-pressure pump. Extraction visssels, Separation vessels. CO2 storage tanks, are all equipped with safety valves. Software system built-in overpressure alarm system
23	Control System	PLC control system, including control software, configuration software, PLC cabinet, frequency conversio cabinet, poor alstribution cabinet
23	Equipment platform	Steel frame platform, platform colume renforcement bors, etc.: carbon steel Platform panel carbon steel pottemed steel plate Platform guardrail decorative guardrail
24	Equipment insulation	Containen, pipelines, hot and cold water tanks, etc. are insulated and decorated externally by stainless steel. Rubber and plastic sponges used for cold water and CO2 pipelines. Gloss wool used for hot water insulation.
25	User supplied	Instaliation dimension: 18000x13500x9000mm plus operation space Liquid CO2 Food grade ≥ 99.9% Food grade alcohol ≥ 99% Power 3-phate

BioSpectrix SCXTR-3000 Liter

TOP SELLING MODELS

BSSCXTR-1000LX3



Maximize Productivity with careddi Industrial
State Suoercritical Cus Extractor
The Ultimate Solution for Elficiency and Automation

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SN.	MAIN CONFIGURATION	Technical Parameters
1	Extraction vessel (Include quick opening device)	Volume: 1000Lx3 Designed pressure: 40MPa; Maximum working pressure: 36MPa Stress analysis design, material contact parts made of Stanless Steel 304. Water jockat mode of Stainless Steel 304, and vessets opening and closing seal made of carbon fiber Tafion Inlet and outlet of extraction vessels equipped with shock-resistant pressure gauges and high-precision pressure transmitters to detect pressure. PLC programs design for pressure protection and other safety procedures. Outlet of extraction vessels equipped with temperature detection. Set up safety accessories and exhaust port Equipped with safety protection device. If there is pressure in vessel cover control system cannot receive power.
2	Separation vessel	Volume: 500L+500L Desig sune: 20MPa: Maximum working pressure: 18MPa. Mater contact port made of Stainless Steel 304, water jacket made of Stainless Steel 304 Outlet of separation vessels equipped with shock-resistant pressure gauge and high-precision pressure transmitter to detect pressure and PLC program designed for pressure protection and other safety procedures Outlet is equipped with a temperature detection. Setup safety accessories and exhaust ports
3	Material cylinders	Material Stainless steel 304 Double-section structure. Volume 800L, Sealing material made of carbon fiber Teflon, reusable without swelling.
4	CO2 storage tank	Volume 5000 Design pressure 9MPa, working pressure 8.55MPa, design temperature 5-55 °C Material contact part mode of Stainless steel 304.Set up liquid level gauge,high -pressure trsnmitters , temperature sensors ,safety accessories ,and drain ports.
5	Outdoor storage tank	Volume 20m3 design pressure 2.27MPa, working pressure 2.1MPa. design temperature 5-55°C Vertical container used for CO2 storage. Set up liquid level siges high-pression pressurs transmitter, safety accessories, and drain port
6	Heat recovery chiller	Chilling copacity ≥ 480.000 kcal. Water-cooled screw compressor equipped with cooling tower, 2Automatically control chiller temperature, minimum temperature setting of 5°C Start, stop and alarm signals remotely transmitted to device PLC control system.
7	Pre-cooler	Design pressure 9MPa, working pressure 8.5MPa. Design temperatre 40°C Material; Stainless steel 304. Tube heat exchanger. Set temperature sensor to detect temperatures
8	Cold water tank	Volume 6m3 Design temperature 5°C-95°C Material: Stainless steel 304. Liquid level gauge displays liquid level liquid level remote transmission PLC system.
9	Hot water tank	Volume 6m3 Design temperature 5°C-95°C Material: Stainless steel 304. Liquid level gauge displays liquid level liquid level remote transmission PLC system.
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11	Loading and unloading trolley	Loading and unloading material cylinders
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13	1#CO2 high pressure pump	Flow rate:8000L/h (frequency adjustable), Ceramic plunger Oil pump self-circulating cooing.
14	2#CO2 high pressure pump	Flow rate: 2500L/h (frequency adjustable), Ceramic plunger Oil pump self-circulating cooing.
15	CO2 recovery pump	Recover pressure less than 6MPa,oill free compressor 260m3/hr piston compressor; start, stop, alarm signals remotely transmitted to PLC system.
16	Extractor heat exchanger	Designed pressure: 40MPO: Maximum working pressure: 38MP Ensure the required temperature of CO2 fluid enters Extractionvessels
17	Separator heat exchanger	Designed pressure: 20MPO: Maximum working pressure: 18MP Ensure the required temperature of CO2 fluid enters Extractionvessels
18	Valves	Pneumatic high-pressure outomatic valve, high-pressure manual valve, process water pipeline valve. pneumatic solenoid valve one-way valve, safety valve
19	Temperature control system	Room temperature-85°C adjustable
20	Purification system	Volume: 20Literx20Liter , Design pressure:16MPa,Working pressure:14 MPa
21	Mass flow meter	Flow range: 0-8000L, Maximum working pressure: 10MPa,output 4-20ma signal On-site display of instantaneous flow and cumulative flow and synchronous display by the host computer
22	Safety protection system	CO2 high-pressure pump. Extraction visssels, Separation vessels. CO2 storage tanks, are all equipped with safety valves. Software system built-in overpressure alarm system
23	Control System	PLC control system, including control software, configuration software, PLC cabinet, frequency conversio cabinet, poor alstribution cabinet
23	Equipment platform	Steel frame platform, platform colume renforcement bors, etc.: carbon steel Platform panel carbon steel pottemed steel plate Platform guardrail decorative guardrail
24	Equipment insulation	Containen, pipelines, hot and cold water tanks, etc. are insulated and decorated externally by stainless steel. Rubber and plastic sponges used for cold water and CO2 pipelines. Gloss wool used for hot water insulation.
25	User supplied	Installation dimension: 20000x15000x9500mm plus operation space Liquid CO2 Food grade ≥ 99.9% Food grade alcohol ≥ 99% Power 3-phate

APPLICATION

APPLICATION OF SUPERCRITICAL CO2 EXTRACTION MACHINE

From Extraction to Perfection - Optimize your Essential Oil Refinery with Careddi Cutting-edge Post-extraction Equipment

Extract, Refine, Elevate - Transform Essential Oil Refinery withCareddi Advanced Post-extraction Equipment


Agarwood


Black pepper


Cinnamon


Coffee beans


Frankincense


Ginger


Hops


Lavender


Myrrh


Nutmeg


Rosemary


Sandalwood


Seabuckthorn


Thyme


Turmeric


Vanilla bean


Tea decaffeination


Astaxanthin


Date palm kernel seed


Prickly pear seeds

Food field	Hops, lycopene, pine nuts, spirulina, grape skin triterpene fraction, onion oil, sweet orange peel oil, ursolic acid in asparagus, soy phospholipids, paprika red pigment, Chuzhou Chrysanthemum, citrus aurantium, antioxidant active substances in ginger natural rutin in buckwheat, chickpeas, removal of cholesterol and triglycerides in egg yolk powder, egg yolk oill in egg yolk powder, zeaxanthin, propolis, tea poly-phenols, decaffeination, caffeine, pepper seed oil lecithin in Radix Polygoni Multiflori, removal of soy protein odor.
Natural plant essential oil	Vanilla orchid essential oil, clove buds essential oil, vanilla essential oil, grapefruit flower volatile oil, basil volatile oil, orange blossom head essential oil, anise volatile oil, saffron essential oil, peppermint essential oil, osmanthus essential oil, jasmine essential oil, white sorrel volatile oil, coriander seed essential oil, nutmeg essential oil, camphor seed oil, grape skin essential oil, pepper volatile oil, sorrel seed oil, sweet orange peel essential oil, celery seed oil, lavender volatile oil
Oil Industry	Soybean oil. celery seed oil. pumpkin seed oil. grope seed oil, canola oil cake, edible ginger all, walnut oil, suaeda salsa seed oil, Crypthecodinium oil flaxseed oil, el EPA and ethyl DHA, egg yolk oil, red pine nut oil, wheat germ oil, kiwi seed oil, hazelnut oil, Amygdalus pedunculatus pall Oil, conjugated linoleic acid, Camellia Oil, Microula sikkimensis Hemsi Oil, cottonseed oil, Astragalus complanatus oil. edible sea buckthorn oil
Herbal medicine	volatile of of alpinia oxyphlla, Magnolia biondi Pomp volatile oil, almond oil. Evening primrose oil, cumin oil, Perilla oil, peppermint oil. Houttuynia Cordata Thunb volatile oil. Asarum insigne diets volatile oil, essential oil of zingiber corallium hance, juniper volatile oil, fructus cnidii volatile oil, Artemisia annua volatile oil, Angelica sinensis oil, turmeric oil, volatile all of Pose banksiae. Terminulia chebula oil, Sphaerophysa salsula oil, Amomum Tsao-Ko Essential Oil, ganlic oil, Cibotium barometz essential oil, neem oil, gonoderma lucidum spore oil, soft shelled turtle oil. Amomum villosum Lour oil, volatile all of Ligusticum Chuanxiong Hort. Chaihu essential oil, volatile oil from Rhizoma Atractylodis Macrocephalae, seabuckthorn oill. Essential Oil of Elsholtzia densa Benth, Volatile Oils from Eupatorium fortune. Volatile Oil from Capillary Wormwood Herb, volatile oil from Piper nigrumL, magnolia bark essential oil, Mosla Chinensis Maxim volatile oil, Fructus Forsythiae essential oil. Volatile Oil in Rhizoma Curcuma, olibanum oil, Volatile Oil from Chrysanthemum
Alkaloids in herbal medicine	Alkaloids from Sophora Flavescens, Strychnine in Nux Vomica. Scopolamine in Datura Flower, shikonin. colchicine from Guangguzi (Iphigenia indica), azadirachtin from neem seeds, Aconitum spicatum Sbapf alkaloids, ligustrazine, Indirubin in Radix Isatidis
Flavonoids in herbal medicine	Tanshinone, ginkgo flavonoids, Glycyrrhiza flavonoids, Concrete of Gemma Agrimoninae, flavonoids in Sarcandra glabra
Saponins in herbal medicine	glycyrrhizin, diosgenin from yellow yam, Total Saponins from Arenaria kansuensis Maxim, Artemisinin. shi-konin, Emodin from polygonum multiflorum thunb, isoimperatorin

BSVACF



BIOSPECTRIX VACCUM FILTER

Model	BSVACF-5L	BSVACF-10L	BSVACF-20L	BSVACF-50L
Funnel Size	Φ250x120mm	Φ300x200mm	Φ350x220mm	Φ500×280mm
Funnel Material	Stainless Steel 304	Stainless Steel 304	Stainless Steel 304	Stainless Steel 304
Collection Bottle	Volume: 5L with vacuum port	Volume: 10L with vacuum port	Volume: 20L with vacuum port	Volume:50L with vacuum port
Collection Bottle Material	Boro3.3 High Borosilicate Glass	Boro3.3 High Borosilicate Glass	Boro3.3 High Borosilicate Glass	Boro3.3 High Borosilicate Glass
Connection Flange Size	DN50	DN50	DN50	DN50
Support	Stainless Steel 304 with 4 sels of puleys	Stainless Steel 304 with 4 sels of puleys	Stainless Steel 304 with 4 sels of puleys	Stainless Steel 304 with 4 sels of puleys
Height of Discharge Valve from ground	250mm	300mm	300mm	300mm
Vacuum Pump	95B Water-Circulating Vacuum Pump	95B Water-Circulating Vacuum Pump	95B Water-Circulating Vacuum Pump	95B Water-Circulating Vacuum Pump
Power	Single-Phase 370W	Single-Phase 370W	Single-Phase 370W	Single-Phase 370W
Packaging Size and Weight	540x440x910mm 40kg 500x450x1160mm. 50kg	540x440x910mm, 40kg 530x530x1360mm 55kg	540x440x910mm, 40kg 580x580x1450mm 60kg	540x440x910mm 40kg 850x650x1750mm 98kg

BIOSPECTRIX PVT LTD

BSROTAVAP-



BIOSPECTRIX ROTARY EVAPORATOR

Rotary Evaporator(rotovap) is a kind of device used to remove solvents efficiently via process of evaporation through evapora tion under reduced pressure. The rotary evaporation process is one of the most widely used methods of solvent evaporation due to its optimal extraction and distillation performance

Rotary Evaporator mechanically rotates a flask containing the compound in solution in a heated water bath. The rotovap is con-nected to a vacuum pump that reduces the pressure above the bulk solvent facilitating the draw of the evaporate away from th sample. The solvent evaporates while the compound remains

Model	BSROTAVAP-2L	BSROTAVAP-5L	BSROTAVAP-10L	BSROTAVAP-20L	BSROTAVAP-50L
Evaporation Flask (1)	2L	5L	10L	20L	50L
Collection boffie (L)	1L	3L	5L	10L	20L
Rotation Speed (RPM)	20-140	20-140	20-130	20-130	20-110
Conderser Pipe	Vertical dual coil pipe		Vertical type main condenser quallory condenser. efficient fri-backflow condenserpipe		
Bath material	Stainless steel 304/316				
Temperature range	Room temperature-100				
Vacuum pressure Mpal	-0.096	-0.096	-0.096	-0.096	-0.096
Evaporation capacity	Water IL/h Ethanol 2L/h	Woter 2L/h Ethanol 4L/h	Woter 4L/h Ethanol 6L/h	Woter 5L/h Ethanol 10L/h	Woter 10L/h Ethanol 20L/h
Lifting function	Electric lifting				
Power supply (KW)	1.5	2	3	5	9
Power phase	220V/50Hz	220V/50Hz	220V/50Hz	380V/50H	380V/50H
Dimension (mm)	550x350x750	830x400x1100	990x5501650	1160x600x1800	1350×800x2200

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BSGMSPDM-I

GLASS MADE SHORT PATH DISTILLATION MACHINE



Short path distillation equipment, also known as Molecular distillation equipment, is a distillation equipment operated under high vacuum. It can separate and purify heat-sensitive or high-boiling substances under extremely low pressure. Different from traditional distillation equipment which relies on the principle of boiling point difference separation, the liquid mixture is separated by the free path difference of motion in each light and heavy component.

The glass short-range molecular distillation device is crafted from high-quality heat -resistant glass of the highest grade. It pioneers the use of an integrated, dead -angle-free structure design. This design confers multiple advantages: it simplifies the cleaning process, effectively resists scaling, and offers excellent transparency.

During experiments, users can have a clear view of the entire process, which facili-tates the rapid identification of optimal process conditions. Whether for laboratory research and development endeavors or small-scale production operations, this device stands out as the perfect choice.

Model	BSGMSPDM-80	BSGMSPDM-100	BSGMSPDM-150	BSGMSPDM-200
Evaporation area (m^2)	0.1	0.15	0.25	0.35
Handling capacity (L/h)	0.3-5.0	0.5-8.0	1.0-15.0	1.5-20.0
Internal condensation area (m^2)	0.15	0.20	0.40	0.60
Number of scraper (group)	3	4	6	6
Maximum film formation (m/min)	135	270	480	672
Stirring speed (rpm)	0-450	0-450	0-320	0-320
Agitation control	Variable frequency speed control			
Scorper drive seal form	Magnetically coupled seal			
Type of scraper	Combined push scraper			
Scraping quality	Composite PTFE scraper			
Feed tank volume (L)	2.0	3.0	3.0	3.0
Collection bottle volume (L)	1.0	1.0-2.0	3.0-5.0	5.0
Cold trap	Standard equipped			
Condenser	Optional equipped			
System vacuum (mbar)	0.001 (no-load)			
Feeding mode	1.Manual knob valve feed(default). 2.Peristaltic pump feed suitable for low vacuum and low viscosity material (optional). 3.Gear pump, automatic continuous discharge, adjustable speed (optionall			
Heating tracing mode	1.Discharge after shutdown (default). 2. Manual continuous discharge (manually close the truncation valve replace the collection bottle) (optional) 3. Gear pump, automatic continuous discharge, adjustable speed (optional)			
Heating tracing mode	1. Electric heating belt heating(default) 2. Double jacket, heat tracing medium (optional)			
Vacuum system	1.Rotating blade vacuum system (default). 2. All-cooled diffusion pump (optional). 3.Molecular Pump (optional			

BSGMSPDM-II



STAINLESS STEEL MADE SHORT PATH DISTILLATION MACHINE

Compared with glass molecular distillation unit, stainless steel molecular distillation unit has better heat transfer efficiency and evaporation efficiency. It is an ideal industrial production equipment after experiments.

We can provide a full set of design solutions ac-cording to tur 's material characteristics

Model		BSGMSPDM-80 II	BSGMSPDM-150 II
1st Stage	Evaporation area(M^2)	0.08	**0.3**
	Condensere	0.03	**0.5**
	Film scrapier (rpm)	120	**120**
	Vacuum degree	≤ 10pa	**≤ 10pa**
	Sealing	Magnetic fluid seal	Magnetic fluid seal
2nd Stage	Evaporation area(M^2)	0.08	0.3
	Built in condenser	0.03	0.5
	External condenser	0.03	0.5
	Film scraper (rpm)	120	120
	Vocuum degree	≤ 1pa	≤ 1pa
	Sealing	Magnetic fluid seal	Magnetic fluid seal
Chilling unit		1.5p	5p
Contro cabinet		Touch screen contros	Touch screen contros
Frame		Stainless steel 304	Stainless steel 304

FULL PROCESS TO MAKE AGARWOOD ESSENTIAL OIL



FULL PROCESS TO MAKE PURIFIED BOTANICAL ESSENTIAL OIL / CRYSTAL ISOLATE

