











Connecting the XCell™ ATF System to your Bioreactor

Manufacturer	Type	Bioreactor	XCell™ ATF System	Parts Required	Part Number
Applikon	Steel (20-2000L)		XCell™ ATF 4 (10 - 50L) XCell™ ATF 6 (50 - 200L) XCell™ ATF 8 (100 - 400L) XCell™ ATF 10 (200-1000L) 2 x XCell™ ATF 10 (2000L)	DN25 port adaptor (insert or full flow model) T/C options: 1", 1.5", 2" adaptor (insert or full flow model) T/C options: 1", 1.5", 2"	XCell™ ATF 4 System and XCell™ ATF 6 System: CFV1-ING1-34,42,48 or 55 (full connection) or CHV1 (half connection, no ingold, one bivalve); XCell™ ATF 8 System and XCell™ ATF 10 System: CFV1-GMP-ING2- STD or CHV1 (half connection, no ingold, one bivalve)
Broadley James	Steel (20-2000L)	n/a			
Sartorius Stedim (Biostat)	Steel (20-2000L)		XCell™ ATF 4 (10 - 50L) XCell™ ATF 6 (50 - 200L) XCell™ ATF 8 (100 - 400L) XCell™ ATF 10 (200-1000L) 2 x XCell™ ATF 10 (2000L)	DN25 port adaptor (insert or full flow model, BBI safety versions also available) T/C options: 1", 1.5", 2"	XCell™ ATF 4 System and XCell™ ATF 6 System: CFV1- ING1-34,42,48 or 55 (full connection) or CHV1 (half connection, no ingold, one bivalve); XCell™ ATF 8 System and XCell™ ATF 10 System: CFV1-GMP-ING2- STD or CFV1-GMP- ING2-SF1 (BBI safety) or CHV1 (half connection, no ingold, one bivalve)
New Brunswick (Celligen)	Steel (20-2000L)	n/a			





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Manufacturer	Type	Bioreactor	XCell™ ATF System	Parts Required	Part Number
Infors (Labfors, Techfors)	Steel (20-2000L)		XCell™ ATF 4 (10 - 50L) XCell™ ATF 6 (50 - 200L) XCell™ ATF 8 (100 - 400L) XCell™ ATF 10 (200-1000L) 2 x XCell™ ATF 10 (2000L)	DN25 port adaptor (insert or full flow model) T/C options: 1", 1.5", 2"	XCell™ ATF 4 System and XCell™ ATF 6 System: CFV1-ING1-34,42,48 or 55 (full connection) or CHV1 (half connection, no ingold, one bivalve); XCell™ ATF 8 System and XCell™ ATF 10 System: CFV1-GMP-ING2- STD or CHV1 (half connection, no ingold, one bivalve)
Biotron (GM, GX, GR) - Korea	Steel (20-2000L)		XCell™ ATF 4 (10 - 50L) XCell™ ATF 6 (50 - 200L) XCell™ ATF 8 (100 - 400L) XCell™ ATF 10 (200-1000L) 2 x XCell™ ATF 10 (2000L)	DN25 port adaptor (insert or full flow model) T/C options: 1", 1.5", 2"	XCell™ ATF 4 System and XCell™ ATF 6 System: CFV1-ING1-34,42,48 or 55 (full connection) or CHV1 (half connection, no ingold, one bivalve); XCell™ ATF 8 System and XCell™ ATF 10 System: CFV1-GMP-ING2- STD or CHV1 (half connection, no ingold, one bivalve)
Biott/Able - Japan	Steel (20-2000L)		XCell™ ATF 4 (10 - 50L) XCell™ ATF 6 (50 - 200L) XCell™ ATF 8 (100 - 400L) XCell™ ATF 10 (200-1000L) 2 x XCell™ ATF 10 (2000L)	DN25 port adaptor (insert or full flow model) T/C options: 1", 1.5", 2"	XCell™ ATF 4 System and XCell™ ATF 6 System: CFV1-ING1-34,42,48 or 55 (full connection) or CHV1 (half connection, no ingold, one bivalve); XCell™ ATF 8 System and XCell™ ATF 10 System: CFV1-GMP-ING2- STD or CHV1 (half connection, no ingold, one bivalve)





Connecting the XCell™ ATF System to your Bioreactor

Manufacturer	Type	Bioreactor	XCell™ ATF System	Parts Required	Part Number
Applikon	Glass (0-20L)		XCell™ ATF 2 (1- 10L) XCell™ ATF 4 (10-20L)	Diptube: 250mm or 450mm Headplate fitting: 19 or M26 compression fitting	TC:DIP-10/250 or TC:DIP-10/450 HP:APP-M19 or HP:APP-M26
Broadley James	Glass (0-20L)		XCell™ ATF 2 (1- 10L) XCell™ ATF 4 (10-20L)	Diptube: 250mm or 450mm Headplate fitting: 19 or M26 compression fitting	TC:DIP-10/250 or TC:DIP-10/450 HP:PG13.5 or HP:BBI-M26
Sartorius Stedim (Biostat)	Glass (0-20L)		XCell™ ATF 2 (1- 10L) XCell™ ATF 4 (10-20L)	Diptube: 250mm or 450mm Headplate fitting: 19 or M26 compression fitting	TC:DIP-10/250 or TC:DIP-10/450 HP:PG13.5 or HP:BBI-M26
Biotron (GM, GX, GR) - Korea	Glass (0-20L)		XCell™ ATF 2 (1- 10L) XCell™ ATF 4 (10-20L)	Diptube: 450mm Headplate fitting: 19 or M26 compression fitting	TC:DIP-10/250 or TC:DIP-10/450 HP:PG13.5 or HP:BBI-M26
Biott/Able- Japan	Glass (0-20L)		XCell™ ATF 2 (1- 10L) XCell™ ATF 4 (10-20L)	Diptube: 250mm or 450mm Headplate fitting: 19 or M26 compression fitting	TC:DIP-10/250 or TC:DIP-10/450 HP:PG13.5 or HP:BBI-M26




Connecting the XCell™ ATF System to your Bioreactor

Manufacturer	Type	Bioreactor	XCell™ ATF System	Parts Required	Part Number
Applikon (Appliflex, CellReady)	Stirred Tank SUB (2-20L) rigid	 3L	XCell™ ATF 2 (1- 10L)	250mm diptube; Headplate compression fitting; Diptube must be inserted into port using sterile technique	TC:DIP-10/250 HP:PG13.5
Sartorius Stedim (Univessel, Biostat STR)	Stirred Tank SUB (2-20L) rigid	 2L	XCell™ ATF 2 (1- 10L)	250mm diptube; Headplate compression fitting; Diptube must be inserted into port using sterile technique	TC:DIP-10/250 HP:PG13.5
New Brunswick (Celligen BLU)	Stirred Tank SUB (2-20L) rigid		XCell™ ATF 2 (1- 10L) XCell™ ATF 4 (10-20L)	250mm or 450mm diptube; Headplate compression fitting; Diptube must be inserted into port using sterile technique	TC:DIP-10/250 or TC:DIP-10/450 HP:PG13.5
ATMI and Pierre Guerin (Nucleo)	Stirred Tank SUB (2-20L) rigid	n/a			
Thermo Fisher/ Hyclone/Life Technologies (Hyperforma SUB)	Stirred Tank SUB (2-20L) rigid	n/a			
GE (Wave, Excelerex XDR)	Stirred Tank SUB (2-20L) rigid	n/a			
EMD Millipore (Mobius CellReady)	Stirred Tank SUB (2-20L) rigid		XCell™ ATF 2 (1- 10L)	250mm diptube; Headplate compression fitting; Diptube must be inserted into port using sterile technique	TC:DIP-10/250 HP:PG13.5
Cellution (Cell-tainer)	Stirred Tank SUB (2-20L) rigid	n/a			
PBS Biotech (PBS 3, 15, 80, 500 Vertical Wheel)	Stirred Tank SUB (2-20L) rigid	n/a			
Kuhner (SB50X, SB200X Orbital Shaken)	Stirred Tank SUB (2-20L) rigid	n/a			




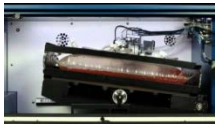
Connecting the XCell™ ATF System to your Bioreactor

Manufacturer	Type	Bioreactor	XCell™ ATF System	Parts Required	Part Number
Applikon (Appliflex, CellReady)	Stirred Tank SUB (20–2000L)	n/a			
Sartorius Stedim (Univessel, Biostat STR)	Stirred Tank SUB (20–2000L)		XCell™ ATF 4 (10 - 50L) XCell™ ATF 6 (50 - 200L) XCell™ ATF 8 (100 - 400L) XCell™ ATF 10 (200-1000L) 2 x XCell™ ATF 10 (2000L)	Single or multiple 3/4" – 1" ID side wall or harvest port. Connector options (3/4" - 1"): Opta, DAC, CPC, etc.; <i>Multiple ports may be necessary to maintain cross section</i>	OPT2 required for XCell™ ATF 4, 6, 8, 10 Systems; Tubing and connectors to be provided by customer; XCell™ ATF 10 System: 1.5" to 2x1" Y-reducer (in- development)
New Brunswick (Celligen BLU)	Stirred Tank SUB (20–2000L)	n/a			
ATMI and Pierre Guerin (Nucleo)	Stirred Tank SUB (20–2000L)		XCell™ ATF 4 (10 - 50L) XCell™ ATF 6 (50 - 200L) XCell™ ATF 8 (100 - 400L) XCell™ ATF 10 (200-1000L) 2 x XCell™ ATF 10 (2000L)	Single or multiple 3/4" – 1" ID side wall or harvest port. Connector options (3/4" - 1"): Opta, DAC, CPC, etc.; <i>Multiple ports may be necessary to maintain cross section</i>	OPT2 required for XCell™ ATF 4, 6, 8, 10 Systems; Tubing and connectors to be provided by customer; XCell™ ATF 10 System: 1.5" to 2x1" Y-reducer (in development)
Thermo Fisher/Hyclone/ Life Technologies (Hyperforma SUB)	Stirred Tank SUB (20–2000L)		XCell™ ATF 4 (10 - 50L) XCell™ ATF 6 (50 - 200L) XCell™ ATF 8 (100 - 400L) XCell™ ATF 10 (200-1000L) 2 x XCell™ ATF 10 (2000L)	Single or multiple 3/4" – 1" ID side wall or harvest port. Connector options (3/4" - 1"): Opta, DAC, CPC, etc.; <i>Multiple ports may be necessary to maintain cross section</i>	OPT2 required for XCell™ ATF 4, 6, 8, 10 Systems; Tubing and connectors to be provided by customer; XCell™ ATF 10 System: 1.5" to 2x1" Y-reducer (in- development)
GE (Wave, Excellerex XDR)	Stirred Tank SUB (20–2000L)		XCell™ ATF 4 (10 - 50L) XCell™ ATF 6 (50 - 200L) XCell™ ATF 8 (100 - 400L) XCell™ ATF 10 (200-1000L) 2 x XCell™ ATF 10 (2000L)	Single or multiple 3/4" – 1" ID side wall or harvest port. Connector options (3/4" - 1"): Opta, DAC, CPC, etc.; <i>Multiple ports may be necessary to maintain cross section</i>	OPT2 required for XCell™ ATF 4, 6, 8, 10 Systems; Tubing and connectors to be provided by customer; XCell™ ATF 10 System: 1.5" to 2x1" Y-reducer (in- development)




Connecting the XCell™ ATF System to your Bioreactor

Manufacturer	Type	Bioreactor	XCell™ ATF System	Parts Required	Part Number
EMD Millipore (Mobius CellReady)	Stirred Tank SUB (20–2000L)		XCell™ ATF 4 (10 - 50L) XCell™ ATF 6 (50 - 200L) XCell™ ATF 8 (100 - 400L) XCell™ ATF 10 (200-1000L)	Single or multiple 3/4" – 1" ID side wall or harvest port. Connector options (3/4"- 1"): Opta, DAC, CPC, etc.; <i>Multiple ports may be necessary to maintain cross section</i>	OPT2 required for XCell™ ATF 4, 6, 8, 10 Systems; Tubing and connectors to be provided by customer; XCell™ ATF 10 System; 1.5" to 2x1" Y-reducer (in- development)
Cellution (Cell-tainer)	Stirred Tank SUB (20–2000L)	n/a			
PBS Biotech (PBS 3, 15, 80, 500 Vertical Wheel bioreactor)	Stirred Tank SUB (20–2000L)		XCell™ ATF 4 (10 - 50L) XCell™ ATF 6 (50 - 200L) XCell™ ATF 8 (100 - 400L) XCell™ ATF 10 (200-1000L)	Single or multiple 3/4" – 1" ID side wall or harvest port. Connector options (3/4"- 1"): Opta, DAC, CPC, etc.; <i>Multiple ports may be necessary to maintain cross section</i>	OPT2 required for XCell™ ATF 4, 6, 8, 10 Systems; Tubing and connectors to be provided by customer; XCell™ ATF 10 System: 1.5" to 2x1" Y-reducer (in- development)
Kuhner (SB50X, SB200X Orbital Shaken bioreactor)	Stirred Tank SUB (20–2000L)		XCell™ ATF 4 (10 - 50L) XCell™ ATF 6 (50 - 200L) XCell™ ATF 8 (100 - 400L) XCell™ ATF 10 (200-1000L)	Single or multiple 3/4" – 1" ID side wall or harvest port. Connector options (3/4"- 1"): Opta, DAC, CPC, etc.; <i>Multiple ports may be necessary to maintain cross section</i>	OPT2 required for XCell™ ATF 4, 6, 8, 10 Systems; Tubing and connectors to be provided by customer; for XCell™ ATF 10 System, 1.5" to 2x1" Y-reducer (in- development)

Connecting the XCell™ ATF System to your Bioreactor

Manufacturer	Type	Bioreactor	XCell™ ATF System	Parts Required	Part number
Applikon (Appliflex, CellReady)	Wave type SUB (1-20L)		XCell™ ATF 2 (1- 10L) XCell™ ATF 4 (10-20L)	3/8" ID diptube (weighted or welded to bag bottom). Connector options (3/8"- 1/2"): Kleenpack, Opta, DAC, CPC etc.	OPT2 for XCell™ ATF 4 System; Tubing and connectors to be provided by customer
Sartorius Stedim (Univessel, Biostat STR)	Wave type SUB (1-20L)		XCell™ ATF 2 (1- 10L) XCell™ ATF 4 (10-20L)	3/8" ID diptube (weighted or welded to bag bottom). Connector options (3/8"- 1/2"): Kleenpack, Opta, DAC, CPC etc.	OPT2 for XCell™ ATF 4 System; Tubing and connectors to be provided by customer
New Brunswick (Celligen BLU)	Wave type SUB (1-20L)	n/a			
ATMI and Pierre Guerin (Nucleo)	Wave type SUB (1-20L)	n/a			
Thermo Fisher/ Hyclone/Life Technologies (Hyperforma SUB)	Wave type SUB (1-20L)	n/a			
GE (Wave, Excellerex XDR)	Wave type SUB (1-20L)		XCell™ ATF 2 (1- 10L) XCell™ ATF 4 (10-20L)	3/8" ID diptube (weighted or welded to bag bottom). Connector options (3/8"- 1/2"): Kleenpack, Opta, DAC, CPC etc.	OPT2 for XCell™ ATF 4 System; Tubing and connectors to be provided by customer
EMD Millipore (Mobius CellReady)	Wave type SUB (1-20L)	n/a			
Cellution (Cell-tainer)	Wave type SUB (1-20L)		XCell™ ATF 2 (1- 10L) XCell™ ATF 4 (10-20L)	3/8" ID diptube (weighted or welded to bag bottom). Connector options (3/8"- 1/2"): Kleenpack, Opta, DAC, CPC etc.	OPT2 for XCell™ ATF 4 System; Tubing and connectors to be provided by customer
PBS Biotech (PBS 3, 15, 80, 500 Vertical Wheel bioreactor)	Wave type SUB (1-20L)	n/a			
Kuhner (SB50X, SB200X Orbital Shaken bioreactor)	Wave type SUB (1-20L)	n/a			

Connecting the XCell™ ATF System to your Bioreactor

Manufacturer	Type	Bioreactor	XCell™ ATF System	Parts Required	Part Number
Applikon (Appliflex, CellReady)	Wave type SUB (20-1000L)	n/a			
Sartorius Stedim (Univessel, Biostat STR)	Wave type SUB (20-1000L)		XCell™ ATF 4 (10 - 50L) XCell™ ATF 6 (50 - 200L) XCell™ ATF 8 (100 - 400L) XCell™ ATF 10 (200-1000L)	Single or double 3/4" ID diptube (welded to bag bottom). Connector options (3/4" - 1"): Kleenpack, Opta, DAC, CPC, etc., <i>Multiple ports may be necessary to maintain tubing cross section</i>	OPT2 required for XCell™ ATF 4, 6, 8, 10 Systems; Tubing and connectors to be provided by customer
New Brunswick (Celligen BLU)	Wave type SUB (20-1000L)	n/a			
ATMI and Pierre Guerin (Nucleo)	Wave type SUB (20-1000L)	n/a			
Thermo Fisher/ Hyclone/ Life Tech (Hyperforma SUB)	Wave type SUB (20-1000L)	n/a			
GE (Wave, Excellerex XDR)	Wave type SUB (20-1000L)		XCell™ ATF 4 (10 - 50L) XCell™ ATF 6 (50 - 200L) XCell™ ATF 8 (100 - 400L) XCell™ ATF 10 (200-1000L)	Single or double 3/4" ID diptube (welded to bag bottom). Connector options (3/4" - 1"): Kleenpack, Opta, DAC, CPC, etc., <i>Multiple ports may be necessary to maintain tubing cross section</i>	OPT2 required for XCell™ ATF 4, 6, 8, 10 Systems; Tubing and connectors to be provided by customer
EMD Millipore (Mobius CellReady)	Wave type SUB (20-1000L)	n/a			
Cellution (Cell-tainer)	Wave type SUB (20-1000L)		XCell™ ATF 4 (10 - 50L) XCell™ ATF 6 (50 - 200L) XCell™ ATF 8 (100 - 400L) XCell™ ATF 10 (200-1000L)	Single or double 3/4" ID diptube (welded to bag bottom). Connector options (3/4" - 1"): Kleenpack, Opta, DAC, CPC, etc., <i>Multiple ports may be necessary to maintain tubing cross section</i>	OPT2 required for XCell™ ATF 4, 6, 8, 10 Systems; Tubing and connectors to be provided by customer

Connecting the XCell™ ATF System to your Bioreactor

Manufacturer	Type	Bioreactor	XCell™ ATF System	Parts Required	Part Number
PBS Biotech (PBS 3, 15, 80, 500 Vertical Wheel)	Wave type SUB (20-1000L)	n/a			
Kuhner (SB50X, SB200X Orbital shaken)	Wave type SUB (20-1000L)	n/a			