

SHIMADZU

OPTI-MAX® CHECK VALVES

**LC-30**

Part Number	Description	Shimadzu #
34-76-05135	OPTI-MAX Inlet Housing & Cartridge	228-52964-95
10-76-02004	OPTI-MAX Replacement Cartridges (for Inlet), 1/16" Ball, 2/Pk	
34-86-05139	OPTI-MAX Outlet Housing & Cartridge	228-53334-96
10-86-02004	OPTI-MAX Replacement Cartridges (for Outlet), 1/16" Double Ball, 2/Pk	

**LC-30ADSF, i-Series, LC-2040/C, LC-2030/C
LC-20ABXR, ADXR**

Part Number	Description	Shimadzu #
34-86-02644	OPTI-MAX Inlet Housing & Cartridge	228-48249-91 228-48249-96
34-86-00893	OPTI-MAX Outlet Housing & Cartridge	228-45705-91
10-86-02004	OPTI-MAX Replacement Cartridges 1/16" Ball, 2/Pk	

LC-10AT, ATPV

Part Number	Description	Shimadzu #
34-46-01983	OPTI-MAX Inlet Housing & Cartridge	228-32166-91 228-39093-92
34-46-00893	OPTI-MAX Outlet Housing & Cartridge	228-32531-92 228-34976-91
10-46-02004	OPTI-MAX Replacement Cartridges, 1/16" Ball, 2/Pk	

**LC-20AB, AD, ADsp, ADnano, AT, LC-10ADVP, 2010,
GPC-20 & 50 (100µL Head), ESA 582 & 584**

Part Number	Description	ESA#	Shimadzu #
34-46-02644	OPTI-MAX Inlet Housing & Cartridge	70-4056	228-39093-92 228-45704-91
34-46-00893	OPTI-MAX Outlet Housing & Cartridge	70-4057	228-34976-91 228-45705-91 228-37147-93
10-46-02004	OPTI-MAX Replacement Cartridges, 1/16" Ball, 2/Pk		

LC-10AD, 9A, 600 (also ESA Model 580)

Part Number	Description	ESA#	Shimadzu #
34-46-00885	OPTI-MAX Inlet Housing & Cartridge	70-0734	228-18522-91 228-33492-91
34-46-00893	OPTI-MAX Outlet Housing & Cartridge	70-0735	228-18522-92 228-32531-92
10-46-02004	OPTI-MAX Replacement Cartridges, 1/16" Ball, 2/Pk		

LC-10AS, 6A

Part Number	Description	Shimadzu #
34-56-00902	OPTI-MAX Inlet Housing & Cartridge	228-12353-91
34-56-00907	OPTI-MAX Outlet Housing & Cartridge	228-09054-93
10-56-02004	OPTI-MAX Replacement Cartridges, 1/8" Ball, 2/Pk	

LC-20AP, 8A

Part Number	Description	Shimadzu #
34-66-02112	OPTI-MAX Inlet Housing & Cartridge	228-20256-91
10-66-02005	OPTI-MAX Replacement Cartridges (for LC-8A Inlet), 3/16" Ball, 2/Pk	
34-56-00907	OPTI-MAX Outlet Housing & Cartridge	228-09054-93 228-50955-41
10-56-02004	OPTI-MAX Replacement Cartridges (for LC-8A Outlet), 1/8" Ball, 2/Pk	

OPTIONS: Stainless steel/ceramic OPTI-MAX cartridges are listed above.
For other options, please see page 50.



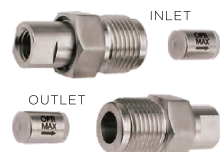
LC-10AT, LC-10ATVP



LC-10ADVP



LC-10AD, LC-600, LC-9A



LC-10AS, LC-6A



LC-8A

SHIMADZU

SEALS & PISTONS

LC-20ABXR, ADXR, LC-20AB, AD, AT, LC-2010, LC-10ADVP, ESA 582 & 584

	ESA#	Shimadzu #
34-36-00855 OPTI-SEAL UHMW-PE* Piston Seal		228-32628-00 228-18745-00 228-35146-00
34-36-00856 OPTI-SEAL UHMW-PE* Piston Seal, 10/Pk		
34-36-04711 ITB PTFE** Piston Seal		228-18745-00 228-35146-00
34-36-04712 ITB PTFE** Piston Seal, 10/Pk		
34-34-02645 Sapphire Piston for LC-10ADVP, 2010, 20AD (can be used for LC-10AT if user has Plunger Holder P/N 34-34-01991)	70-4052	228-35601-91 228-35601-92 228-35601-93

LC-20AT, 10AT, 10ATVP, 10AS, 7A, 6A, SIL-10ADVP, GFP

	Shimadzu #
34-36-00865 OPTI-SEAL UHMW-PE* Piston Seal	228-11999-00 228-21975-00 228-35145-00
34-36-00866 OPTI-SEAL UHMW-PE* Piston Seal, 10/Pk	
34-36-00863 ITB PTFE** Piston Seal	228-11999-00 228-21975-00 228-35145-00
34-36-00864 ITB PTFE** Piston Seal, 10/Pk	
34-34-01345 Sapphire Piston for LC-10AS	228-17019-93
34-34-02650 Sapphire Piston for LC-10ATVP	228-35009-92

Piston Wash Users: The above seals can also be used as Back Seals (OEM# 228-28499-00)

LC-10AD, 9A, 600, ESA 580

	Shimadzu #
34-36-00855 OPTI-SEAL UHMW-PE* Piston Seal	228-18745-00 228-35146-00
34-36-00856 OPTI-SEAL UHMW-PE* Piston Seal, 10/Pk	
34-36-00857 UHMW-PE* Elastomer Energized Seal	228-18745-00 228-35146-00
34-36-00858 UHMW-PE* Elastomer Energized Seal, 10/Pk	

*UHMW-PE - Ultra High Molecular Weight Polyethylene

**ITB PTFE - Improved PTFE Blend

FILTRATION

LC-10AD, 10AS, 10AT, 9A, 6A, 6AD, 6AEF, 610

	Shimadzu #
34-04-03881 In-Line Filter Assembly	228-12642-93

LAMPS

	Shimadzu #
34-32-02837 DoubleLife Deuterium Lamp, SPD-10A, -10AV, -M10A, -10AS, -10AVP, -M10AVP, -20AV	228-34016-02
34-32-03102 DoubleLife Deuterium Lamp, LC 2010, LC- 2010HT	228-37401-00



34-36-00855



34-34-02645



34-36-00865



34-36-00863



34-34-01345



34-34-02650



34-36-00857



34-04-03881



Shimadzu
34-32-02837