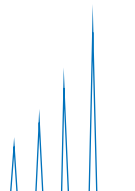
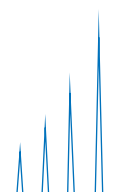
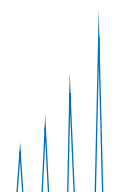


Overview on YMC Column Hardware and Phases 2026





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UHPLC Column Hardware (-xxxxWT)

Properties:

Lengths: 20, 30, 50, 75, 100, 150 mm
 ID: 2.0, 2.1, 3.0, (4.6) mm
 Max. pressure: 1,000 bar (YMC-Triart 1.9 µm), 600 bar (Meteoric Core)
 Port depth: 2.0 mm (0.08")



Fig.: YMC-Triart UHPLC column



Fig.: Meteoric Core UHPLC/HPLC column

1 mm UHPLC Column Hardware (-xxxxWT)

Properties:

Lengths: 50, 100, 150 mm
 ID: 1.0 mm
 Max. Pressure: 1,000 bar
 Port depth: 3.3 mm (0.13")



Fig.: YMC-Triart 1 mm UHPLC column

UHPLC Guard Cartridges (-xxxxCC)

Guard Holder needed: XPCHUHP

Properties:

Lengths: 5 mm
 ID: 2.1, 3.0 mm
 Max. Pressure: 1,000 bar
 Port depth: adjustable



Fig.: UHPLC guard column holder



Fig.: UHPLC guard cartridge

Applicable Phase-Hardware Combinations

Family	Modification	Particle Size	WT	CC (Guards)
YMC-Triart	C18	1.9 µm	X	X
	C18 ExRS	1.9 µm	X	X
	Bio C18	1.9 µm	X	X
	C8	1.9 µm	X	X
	Bio C4	1.9 µm	X	X
	Phenyl	1.9 µm	X	X
	PFP	1.9 µm	X	X
	Diol-HILIC	1.9 µm	X	
Meteoric Core	C18	2.7 µm	X	
	C18 BIO	2.7 µm	X	
	C8	2.7 µm	X	

YMC-Triart HPLC Column Hardware (-xxxxWT)

Properties:

Lengths:	20, 30, 33, 50, 75, 100, 150, 250 mm
ID:	1.0, 2.0, 2.1, 3.0, 4.0, 4.6 mm
Max. Pressure:	450 bar
Port depth:	2.0 mm (0.08") (2.1, 3.0, 4.0 mm ID) 3.3 mm (0.13") (1.0, 2.0, 4.6 mm ID)

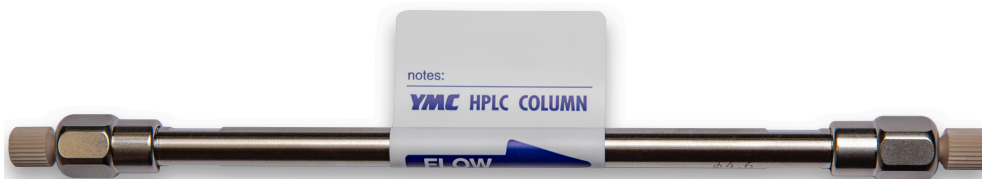


Fig.: YMC-Triart HPLC column (2.0 mm port depth)

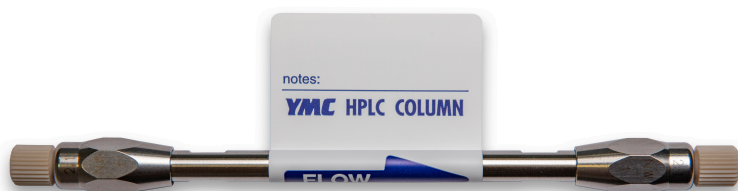


Fig.: YMC-Triart HPLC column (3.3 mm port depth)

HPLC Column Hardware (-xxxxWT)

Properties:

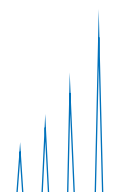
Lengths:	30, 50, 75, 100, 150, 250 mm
ID:	1.0, 2.0, 2.1, 3.0, 4.0, 4.6, 6.0, 8.0 mm
Max. Pressure:	300 bar (3 μ m & 150/250 mm length) 250 bar (250 mm length) 200 bar (\leq 150 mm length) 300 bar (all CHIRAL ART lengths) 500 bar (YMC-UltraHT Pro C18/Hydrosphere C18 2 μ m)
Port depth:	3.3 mm (0.13")



Fig.: YMC HPLC column



Fig.: YMC-UltraHT HPLC column



Analytical Guard Cartridges (-xxxxGC)

Properties:

Lengths: 10, 20 mm
ID: 2.1–4.0 mm
Max. Pressure: 550 bar
Port depth: adjustable

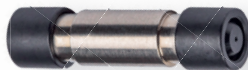


Fig.: HPLC guard cartridge

Guard Holder needed:

External/universal holder, for use with HPLC columns (WT)
For 10 mm length: XPGCH-Q1
For 20 mm length: XPGCH-Q2E

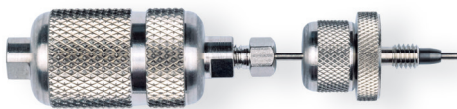


Fig.: HPLC guard cartridge holder XPGCH-Q1



Fig.: HPLC guard cartridge holder XPGCH-Q2E

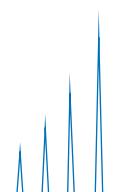
Applicable Phase-Hardware Combinations

Family	Modification	Particle Size	WT	GC (Guards)
YMC-Triart	C18	3, 5 µm	X	X
	C18 ExRS	3, 5 µm	X	X
	Bio C18	3, 5 µm	X	X
	C8	3, 5 µm	X	X
	Bio C4	3, 5 µm	X	X
	Phenyl	3, 5 µm	X	X
	PFP	3, 5 µm	X	X
	Diol-HILIC	3, 5 µm	X	X
YMC-Pack Pro	C18	2, 3, 5 µm	X*	X
	Hydrosphere C18	2, 3, 5 µm	X*	X
	C18 RS	3, 5 µm	X	X
	C8	3, 5 µm	X	X
	C4	3, 5 µm	X	X
YMC-Pack	Diol SEC	3, 5 µm	X	X
	Diol SEC UHPLC	2 µm	X**	X
YMC-SEC MAB	Diol SEC	3 µm	X	X
BioPro	HIC BF	4 µm	X	
	HIC HT	2.3 µm	X**	

* 2 µm: UltraHT

** YMC-Triart HPLC hardware with selected dimensions

Continued on next page



Applicable Phase-Hardware Combinations (Continued from previous page.)

Family	Modification	Particle Size	WT	GC (Guards)
YMC-Pack	ODS-A	3, 5 µm	X	X
	ODS-AQ	3, 5 µm	X	X
	ODS-AL	3, 5 µm	X	X
	ODS-AM	3, 5 µm	X	X
	C ₈ (Octyl)	3, 5 µm	X	X
	C ₄ (Butyl)	3, 5 µm	X	X
	Ph (Phenyl)	3, 5 µm	X	X
	TMS (C1)	3, 5 µm	X	X
	CN (Cyano)	3, 5 µm	X	X
	PVA-SIL	5 µm	X	X
	Polyamine II	5 µm	X	X
	NH ₂ (Amino)	3, 5 µm	X	X
	Diol-NP	3, 5 µm	X	X
	SIL (Silica)	3, 5 µm	X	X
Specialities	YMC Carotenoid	3, 5 µm	X	X
	YMC-PAH	3, 5 µm	X	X
	J'Sphere ODS	4 µm	X	X
	YMCbasic	3, 5 µm	X	X
CHIRAL ART	Amylose-C Neo	3, 5 µm	X	X
	Cellulose-C	3, 5 µm	X	X
	Amylose-SA	3, 5 µm	X	X
	Cellulose-SB	3, 5 µm	X	X
	Cellulose-SC	3, 5 µm	X	X
	Cellulose-SJ	3, 5 µm	X	X
	Cellulose-SZ	3, 5 µm	X	X

Stainless Steel Precolumn Filter

Stainless steel Precolumn Filter + Holder

Holder: XRPRCS03

Stainless steel Precolumn Replacement Filter

Filter: XRPCS35

Properties:

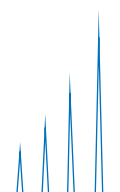
Pore size: 0.5 µm
Max. Pressure: 600 bar
Connection: 1/16"



Fig.: Stainless steel Replacement filter



Fig.: Stainless steel Precolumn filter holder



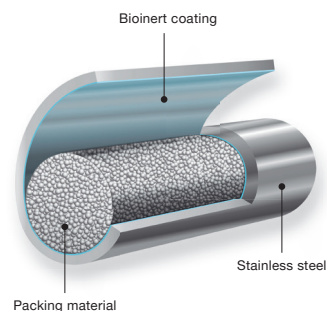
Bioinert Coated YMC Accura Column Hardware (-xxxxPTC)

Properties:

Lengths: 20, 30, 50, 100, 150, 250 mm
 ID: 2.1, 4.6, 10 mm
 Max. Pressure: 100 bar (10 mm ID)
 450 bar (3/5 µm)
 1,000 bar (1.9 µm)
 Port depth: 2.0 mm (0.08")



Fig.: YMC Accura column



Bioinert Coated YMC Accura Guard Cartridges (-xxxxGCC)

Guard Holder needed: XPCHUHP

Properties:

Lengths: 5 mm
 ID: 2.1, 4.6 mm
 Max. Pressure: 1,000 bar
 Port depth: adjustable



Fig.: UHPLC guard column holder

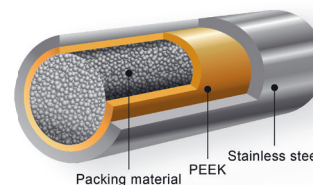


Fig.: Bioinert coated guard cartridge

Metal-free PEEK-lined Column Hardware (-xxxxPTP)

Properties:

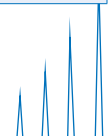
Lengths: 50, 100, 150 mm
 ID: 2.1, 4.6 mm
 Max. Pressure: 450 bar (3/5 µm)
 1,000 bar (1.9 µm)
 Port depth: 2.0 mm (0.08")



Applicable Phase-Hardware Combinations

Family	Modification	Particle Size	PTC	GCC (Guards)	PTP*
YMC-Triart	C18	1.9, 3, 5 µm	X	X	(X)
	C18 ExRS		X	X	(X)
	Bio C18		X	X	(X)
	C8		X	X	(X)
	Bio C4		X	X	(X)
	Phenyl		X	X	(X)
	PFP		X	X	(X)
	Diol-HILIC		X	X	(X)
YMC-Pack Diol SEC	Diol-120/200/300	2, 3, 5 µm			X
Bio Pro IEX	QF/SF	3, 5 µm	X	X	

* recommended for YMC-Pack Diol SEC only



Biocompatible PEEK Column Hardware (-xxxxWP)

Properties:

Lengths: 30, 50, 100 mm
 ID: 4.6 mm
 Max. Pressure: 25–35 bar (porous 5 µm)
 60–120 bar (non-porous 5 µm)
 180–250 bar (non-porous 3 µm)
 Port depth: 3.3 mm (0.13")



Fig.: BioPro IEX column

Applicable to following products

Family	Modification	Particle Size
BioPro IEX	SP (porous)	5 µm
	SF (non-porous)	3, 5 µm
	QA (porous)	5 µm
	QF (non-porous)	3, 5 µm

Biocompatible PEEK Precolumn Filter

PEEK Precolumn Filter + Holder

Holder: XRPRCP02

PEEK Precolumn Replacement Filter

Filter: XRPRCP25

Properties:

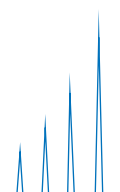
Pore size: 2 µm
 Max. Pressure: 350 bar
 Connection: 1/16"



Fig.: PEEK Replacement filter



Fig.: PEEK Precolumn filter holder



Capillary Column Hardware (-xxxxAU/-xxxxRU)

Properties:

Lengths:	50, 75, 100, 150, (250) mm
ID:	75, 100, 150, 300, 500 μm
Max. Pressure:	550 bar (450 bar) for 2, 3, 5 μm 600 bar for 1.9 μm
Fitting:	1/16" (AU), optionally bioinert (AUC) 1/32" (RU)
Thread:	10-32 (1/16") 6-40 (1/32")
Port depth:	1/16"; 2.0 mm (0.08") 1/32"; 1.1 mm (0.045")

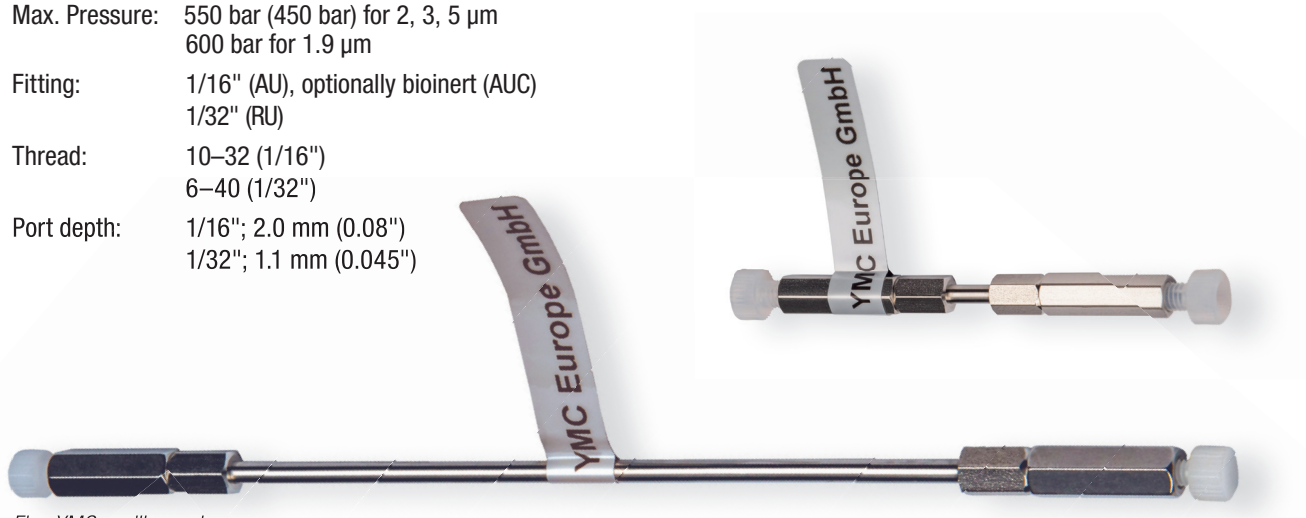


Fig.: YMC capillary columns



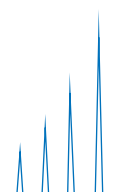
Fig.: YMC capillary guard columns



Fig.: YMC Capillary Column Coupler, 1/32" and 1/16"

Applicable to following products:

All fully porous YMC stationary phases.



YMC-Actus Semi Prep. Hardware (20/30 mm ID) (-xxxxWX)

Properties:

Lengths: 50, 75, 100, 150, 250 mm
ID: 20, 30 mm
Max. Pressure: 300 bar (for 5 µm)
Port depth: 3.3 mm (0.13"), 1/16" (WX), optionally bioinert (PTC)

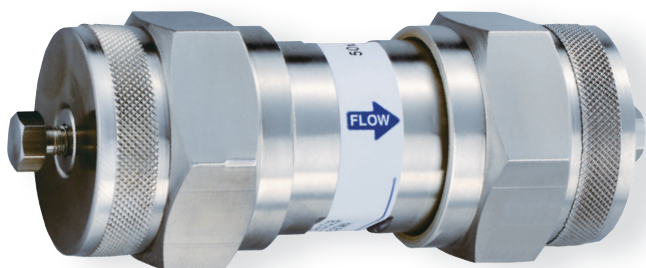


Fig.: YMC-Actus semi prep. column

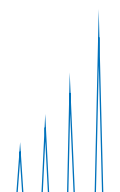
YMC-Actus Prep. Hardware (50 mm ID) (-xxxxDX / -xxxxAX)

Properties:

Lengths: 100, 150, 250 mm
ID: 50 mm
Max. Pressure: 200 bar (for 5 µm)
Connection: female Swagelok nut connection, 1/8" (DX) or female 1/16" (AX)
Port depth: 3.3 mm (0.13"), 1/16" (AX)
Fitting: 1/8" (DX)
1/16" (AX)



Fig.: YMC-Actus 50 mm, 1/8" prep. column



Semi Prep. Hardware (10/20/30 mm ID) (-xxxxWT)

Properties:

Lengths: 100, 150, 250, 300 mm
ID: 10, 20, 30 mm
Max. Pressure: 100 bar
Port depth: 3.3 mm (0.13"), 1/16"

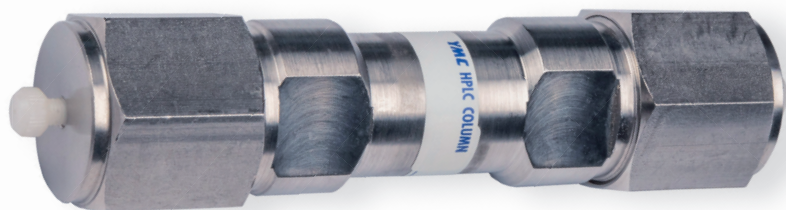


Fig.: standard semi-prep. column

Semi Prep. Guard Cartridges (-xxxxCC(N))

Guard Holder needed:

For use with WT, WX hardware.

For 10 mm ID XPCHSPW1

For 20 mm ID XPGHFSP20ID

For 30 mm ID XPGHFSP30ID

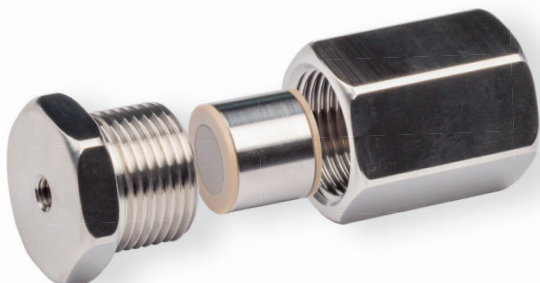


Fig.: semi prep. 10 mm guard cartridge holder + cartridge



Fig.: semi prep. 20/30 mm guard cartridge holder + cartridge

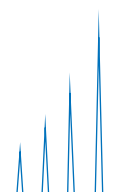
Properties:

Lengths: 10 mm
ID: 10, 20, 30 mm
Max. Pressure: 300 bar
Port depth: 3.3 mm (0.13"), 1/16"

Connection options:

For 10 mm ID: Column coupler 1/16" OD, 0.25 mm ID (XRCP1602)

For 20/30 mm ID: Column coupler 1/16" OD, 0.50 mm ID (XRCP1605)



Semi Prep. Guard Column Hardware (-xxxxWTG)

Properties:

Lengths: 30 mm
ID: 8, 10, 20, 30 mm
Max. Pressure: 100 bar
Port depth: 3.3 mm (0.13"), 1/16"



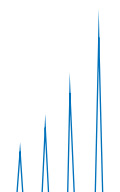
Fig.: semi prep. guard column

Applicable Phase-Hardware Combinations

Family	Modification	Particle Size	WX	WT	DX/AX	CC(N)	WTG
YMC-Triart	C18	5 µm	X	X*	X	X	
	C18 ExRS	5 µm	X	X*	X	X	
	Bio C18	5 µm	X	X*	X	X	
	C8	5 µm	X	X*	X	X	
	Bio C4	5 µm	X	X*	X	X	
	Phenyl	5 µm	X	X*	X	X	
	PFP	5 µm	X	X*	X	X	
	Diol-HILIC	5 µm	X	X*		X	
	Prep C18-S	7, 10, 15, 20 µm	X	X*	X	X	
	Prep C8-S	10, 15, 20 µm	X	X*	X	X	
	Prep Phenyl-S	10 µm	X	X*	X	X	
	Prep Bio 200 C8	10 µm	X	X*	X	X	
YMC-Pack Pro	C18	5 µm	X	X*	X	X	X
	Hydrosphere C18	5 µm	X	X*	X	X	X
	C18 RS	5 µm	X	X*	X	X	X
	C8	5 µm	X	X*	X	X	X
	C4	5 µm	X	X*	X	X	X

* only available for 10 mm ID, YMC-Actus hardware available for 20/30 mm

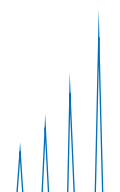
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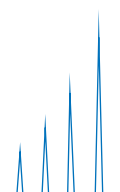


Applicable Phase-Hardware Combinations (Continued from previous page.)

Family	Modification	Particle Size	WX	WT	DX/AX	CC(N)	WTG
YMC-Pack	ODS-A	5 µm	X	X*	X	X	X
	ODS-AQ	5 µm	X	X*	X	X	X
	ODS-AL	5 µm	X	X	X	X	X
	ODS-AM	5 µm	X	X	X	X	X
	C₈ (Octyl)	5 µm		X		X	X
	C₄ (Butyl)	5 µm		X		X	X
	Ph (Phenyl)	5 µm		X		X	X
	TMS (C1)	5 µm		X		X	X
	CN (Cyano)	5 µm		X		X	X
	Polyamine II	5 µm		X		X	X
	NH₂ (Amino)	5 µm		X		X	X
	Diol	5 µm		X		X	X
	Diol-NP	5 µm		X		X	X
	SIL (Silica)	5 µm		X		X	X
Specialities	YMCbasic	5 µm	X	X		X	X
CHIRAL ART	Amylose-C Neo	5 µm	X	X*	X	X	
	Cellulose-C	5 µm	X	X*	X	X	
	Amylose-SA	5 µm	X	X*	X	X	
	Cellulose-SB	5 µm	X	X*	X	X	
	Cellulose-SC	5 µm	X	X*	X	X	
	Cellulose-SJ	5 µm	X	X*	X	X	
	Cellulose-SZ	5 µm	X	X*	X	X	

* only available for 10 mm ID, YMC-Actus hardware available for 20/30 mm







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