

PEPLYN PLUS liquid filter cartridges are utilized for the clarification and prefiltration of a wide range of products in the pharmaceutical, beverage, ultrapure water and fine chemical industries.

The all polypropylene construction ensures a broad range of chemical compatibility making PEPLYN PLUS cartridges particularly suitable for the filtration of aggressive and viscous chemicals and solvents. They do not suffer from hydrolysis in aggressive solutions which would result in the contamination of the process fluid.

Extensive research has resulted in filter media with continuously graded fibre density giving progressively finer particulate retention through the depth of the media. This combined with optimized media pleating density gives PEPLYN PLUS cartridges exceptional lifetime performance.

Features and Benefits

- Micron rating range from 0.6 to 100 micron
- Pleated media for high flow rates and long life
- Graded density for excellent particle retention
- Wide range of end caps to provide retrofitting of existing systems
- All polypropylene construction

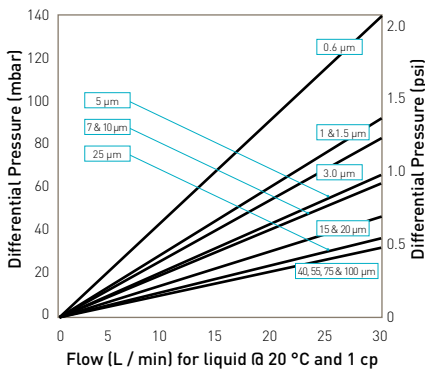
PEPLYN PLUS Filter Cartridges

- liquid filters
- polypropylene



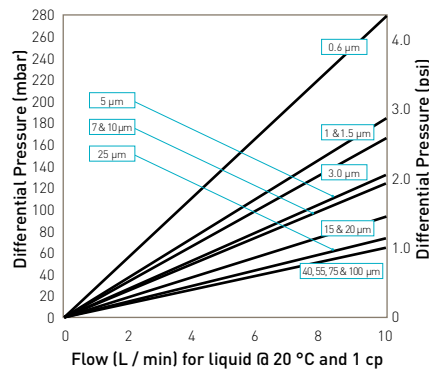
Note: PEPLYN is a registered trademark of Parker domnick hunter

Performance Characteristics



For K size for a given flow rate multiply 10" size differential pressure by 2

10" Size (250 mm) Cartridge



For A size for a given flow rate divide B size differential pressure by 2
For E size for a given flow rate multiply B size differential pressure by 2

B Size (65 mm) Cartridge

Specifications

Materials of Construction

- Filtration Media: Polypropylene
- Upstream Support: Polypropylene
- Downstream Support: Polypropylene
- Inner Support Core: Polypropylene
- Outer Protection Cage: Polypropylene
- End Caps: Polypropylene
- End Cap Insert (if applicable): 316L Stainless Steel*
- *Not available in B & L endcap variants
- Standard o-rings/gaskets: Silicone / EPDM
- Capsule Body: Polypropylene
- Capsule Vent Seals: Silicone
- Filling Bell: Polycarbonate
- Syringe Filter Body: Polypropylene

Food and Biological Safety

Materials conform to the relevant requirements of 21CFR Part 177, EC1935 / 2004 and current USP Plastics Class VI - 121 °C and ISO10993 equivalents.

Recommended Operating Conditions

Up to 70 °C (158 °F) continuous operating temperature and higher short-term temperatures during CIP to the following limits:

Temperature		Max. Forward dP	
°C	°F	(bar)	(psi)
20	68	5.0	72.5
40	104	4.0	58.0
60	140	3.0	43.5
80	176	2.0	29.0
90	194	1.0	14.5
>100 (steam)	>212 (steam)	0.3	4.0

Capsules may be operated up to a temperature of 40 °C (104 °F) at line pressures up to 5.0 barg (72.51 psig) for liquids.

Effective Filtration Area (EFA)

10" (250 mm) Up to 0.79 m² (8.50 ft²)

Cleaning and Sterilization

PEPLYN PLUS cartridges can be repeatedly steam sterilized in situ or autoclaved at up to 135 °C (275 °F). They can be sanitized with hot water at up to 90 °C (194 °F) and are compatible with a wide range of chemicals. Capsules can be repeatedly autoclaved up to 135 °C (275 °F).

Retention Characteristics

The retention characteristics of PEPLYN PLUS have been determined by a single-pass technique using suspensions of ISO 12103 Part 1 A2 Fine and A4 Coarse test dust in water.

Media Code	Micron Rating at Various Efficiencies				
	>99.99% 10000	99.98% 5000	99.90% 1000	99% 100	90% 10
.60	0.60	0.57	0.54	0.32	0.20
1.0	1.00	0.95	0.90	0.70	0.50
1.5	1.50	1.40	1.10	0.80	0.60
003	3.00	2.80	1.80	1.00	0.70
005	5.00	4.70	4.50	3.50	1.00
007	7.00	6.70	6.30	4.50	2.50
010	10.00	8.00	7.00	4.80	2.80
015	15.00	12.00	10.00	7.20	4.50
020	20.00	16.00	14.00	10.00	6.00
025	25.00	20.00	17.00	12.00	7.00

Pharmaceutical Validation

A full validation guide is available upon request from Laboratory Services Group (LSG).

Ordering Information

Cartridges



Code Length (Nominal)	Code Micron	Code Micron	Code Endcap (10")	Code Variant	Code O-rings
B* 2.5" (65 mm)	.60 0.6 µm	015 15.0 µm	B* dh DOE	E Electronics	E EPDM
A* 5" (125 mm)	1.0 1.0 µm	020 20.0 µm	C BF / 226 Bayonet	P Pharmaceutical	P PTFE Encapsulated Silicone
K 5" (125 mm)	1.5 1.5 µm	025 25.0 µm	D Fin / 222	S Steam Sterilizable	S* Silicone
1 10" (250 mm)	003 3.0 µm	040 40.0 µm	E Flat Top / 222	/ None	V Viton
2 20" (500 mm)	005 5.0 µm	055 55.0 µm	G Recess / 222	<i>For detailed operational procedures and advice on cleaning and sterilization, please contact the Technical Support Group through your usual Parker dominick hunter contact.</i>	
3 30" (750 mm)	007 7.0 µm	075 75.0 µm	H UF Retrofit	<i>*Silicone o-ring supplied as standard without having to specify the 'S' code.</i>	
4 40" (1000 mm)	010 10.0 µm	100* 100.0 µm	J SOE (no o-ring)		
			L* dh DOE		
			N Internal 213		
			R BF / 222 Bayonet		

* Supplied in packs of 3.

* Not available in Band A lengths.

Code | Endcap (Demi)

SK	Retrofit
T	TRUESEAL
Y	Demi Stub
Z	Demi A & B Std

* EPDM gaskets supplied as standard

Capsules



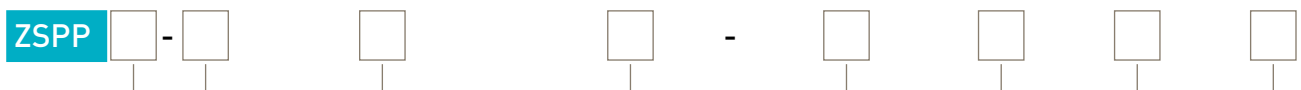
Code Length (Nominal)	Code Micron	Code Micron	Code Inlet Connection	Code Outlet Connection	Code Variant	Code Grade	Code Pack N°
E 4.4" (113 mm)	.60 0.6 µm	015 15.0 µm	T 1" Tri-Clamp	T 1" Tri-Clamp	P Pharmaceutical	N Non-Sterile	3 Pack of 3
B 5.5" (140 mm)	1.0 1.0 µm	020 20.0 µm	N 1/2" NPT Male	N 1/2" NPT Male			
A 7.9" (200 mm)	1.5 1.5 µm	025 25.0 µm	H 1/2" Hosebarb	H 1/2" Hosebarb			
	003 3.0 µm	040 40.0 µm	G Stepped Hosebarb	G Stepped Hosebarb			
	005 5.0 µm	055 55.0 µm	M 1/4" NPT Male	M 1/4" NPT Male			
	007 7.0 µm	075 75.0 µm	Q Walther QC	Q Walther QC			
	010 10.0 µm		R Grommel / QC	R Grommel / QC			
			V 3/8" NPT Female	V 3/8" NPT Female			

G & H connections only

Code | Accessory

FB Filling Bell

Syringe Filters



Code Diameter	Code Micron	Code Inlet / Outlet Connection	Code Inlet / Outlet Connection	Code Variant	Code Grade	Code Options	Code Pack N°
025 25 mm	.60 0.6 µm	F Female Luer Lock	F Female Luer Lock	P Pharmaceutical	N Non-sterile	S Standard	025 25 per box
050 50 mm	1.0 1.0 µm	G Stepped Hosebarb	G Stepped Hosebarb				

The below Parker PEPLYN PLUS-series cartridge filters are all the models that are potentially possible in all variations.
Please note that not all models are actually produced or on stock and some model numbers and names have become obsolete.

Nevertheless this should help as cross reference table chart for Cuno filters nomenclature.

PEPLYN PLUS

ZCPPB-60B	ZCPPB-015B	ZCPPA-60B	ZCPPA-015B	ZCPPK-60B	ZCPPK-015B	ZCPP1-60B	ZCPP1-015B	ZCPP2-60B	ZCPP2-015B	ZCPP3-60B	ZCPP3-015B	ZCPP4-60B	ZCPP4-015B
ZCPPB-60C	ZCPPB-015C	ZCPPA-60C	ZCPPA-015C	ZCPPK-60C	ZCPPK-015C	ZCPP1-60C	ZCPP1-015C	ZCPP2-60C	ZCPP2-015C	ZCPP3-60C	ZCPP3-015C	ZCPP4-60C	ZCPP4-015C
ZCPPB-60D	ZCPPB-015D	ZCPPA-60D	ZCPPA-015D	ZCPPK-60D	ZCPPK-015D	ZCPP1-60D	ZCPP1-015D	ZCPP2-60D	ZCPP2-015D	ZCPP3-60D	ZCPP3-015D	ZCPP4-60D	ZCPP4-015D
ZCPPB-60E	ZCPPB-015E	ZCPPA-60E	ZCPPA-015E	ZCPPK-60E	ZCPPK-015E	ZCPP1-60E	ZCPP1-015E	ZCPP2-60E	ZCPP2-015E	ZCPP3-60E	ZCPP3-015E	ZCPP4-60E	ZCPP4-015E
ZCPPB-60G	ZCPPB-015G	ZCPPA-60G	ZCPPA-015G	ZCPPK-60G	ZCPPK-015G	ZCPP1-60G	ZCPP1-015G	ZCPP2-60G	ZCPP2-015G	ZCPP3-60G	ZCPP3-015G	ZCPP4-60G	ZCPP4-015G
ZCPPB-60H	ZCPPB-015H	ZCPPA-60H	ZCPPA-015H	ZCPPK-60H	ZCPPK-015H	ZCPP1-60H	ZCPP1-015H	ZCPP2-60H	ZCPP2-015H	ZCPP3-60H	ZCPP3-015H	ZCPP4-60H	ZCPP4-015H
ZCPPB-60J	ZCPPB-015J	ZCPPA-60J	ZCPPA-015J	ZCPPK-60J	ZCPPK-015J	ZCPP1-60J	ZCPP1-015J	ZCPP2-60J	ZCPP2-015J	ZCPP3-60J	ZCPP3-015J	ZCPP4-60J	ZCPP4-015J
ZCPPB-60L	ZCPPB-015L	ZCPPA-60L	ZCPPA-015L	ZCPPK-60L	ZCPPK-015L	ZCPP1-60L	ZCPP1-015L	ZCPP2-60L	ZCPP2-015L	ZCPP3-60L	ZCPP3-015L	ZCPP4-60L	ZCPP4-015L
ZCPPB-60N	ZCPPB-015N	ZCPPA-60N	ZCPPA-015N	ZCPPK-60N	ZCPPK-015N	ZCPP1-60N	ZCPP1-015N	ZCPP2-60N	ZCPP2-015N	ZCPP3-60N	ZCPP3-015N	ZCPP4-60N	ZCPP4-015N
ZCPPB-60R	ZCPPB-015R	ZCPPA-60R	ZCPPA-015R	ZCPPK-60R	ZCPPK-015R	ZCPP1-60R	ZCPP1-015R	ZCPP2-60R	ZCPP2-015R	ZCPP3-60R	ZCPP3-015R	ZCPP4-60R	ZCPP4-015R
ZCPPB-60SK	ZCPPB-015SK	ZCPPA-60SK	ZCPPA-015SK	ZCPPK-60SK	ZCPPK-015SK	ZCPP1-60SK	ZCPP1-015SK	ZCPP2-60SK	ZCPP2-015SK	ZCPP3-60SK	ZCPP3-015SK	ZCPP4-60SK	ZCPP4-015SK
ZCPPB-60T	ZCPPB-015T	ZCPPA-60T	ZCPPA-015T	ZCPPK-60T	ZCPPK-015T	ZCPP1-60T	ZCPP1-015T	ZCPP2-60T	ZCPP2-015T	ZCPP3-60T	ZCPP3-015T	ZCPP4-60T	ZCPP4-015T
ZCPPB-60Y	ZCPPB-015Y	ZCPPA-60Y	ZCPPA-015Y	ZCPPK-60Y	ZCPPK-015Y	ZCPP1-60Y	ZCPP1-015Y	ZCPP2-60Y	ZCPP2-015Y	ZCPP3-60Y	ZCPP3-015Y	ZCPP4-60Y	ZCPP4-015Y
ZCPPB-60Z	ZCPPB-015Z	ZCPPA-60Z	ZCPPA-015Z	ZCPPK-60Z	ZCPPK-015Z	ZCPP1-60Z	ZCPP1-015Z	ZCPP2-60Z	ZCPP2-015Z	ZCPP3-60Z	ZCPP3-015Z	ZCPP4-60Z	ZCPP4-015Z
ZCPPB-1.0B	ZCPPB-020B	ZCPPA-1.0B	ZCPPA-020B	ZCPPK-1.0B	ZCPPK-020B	ZCPP1-1.0B	ZCPP1-020B	ZCPP2-1.0B	ZCPP2-020B	ZCPP3-1.0B	ZCPP3-020B	ZCPP4-1.0B	ZCPP4-020B
ZCPPB-1.0C	ZCPPB-020C	ZCPPA-1.0C	ZCPPA-020C	ZCPPK-1.0C	ZCPPK-020C	ZCPP1-1.0C	ZCPP1-020C	ZCPP2-1.0C	ZCPP2-020C	ZCPP3-1.0C	ZCPP3-020C	ZCPP4-1.0C	ZCPP4-020C
ZCPPB-1.0D	ZCPPB-020D	ZCPPA-1.0D	ZCPPA-020D	ZCPPK-1.0D	ZCPPK-020D	ZCPP1-1.0D	ZCPP1-020D	ZCPP2-1.0D	ZCPP2-020D	ZCPP3-1.0D	ZCPP3-020D	ZCPP4-1.0D	ZCPP4-020D
ZCPPB-1.0E	ZCPPB-020E	ZCPPA-1.0E	ZCPPA-020E	ZCPPK-1.0E	ZCPPK-020E	ZCPP1-1.0E	ZCPP1-020E	ZCPP2-1.0E	ZCPP2-020E	ZCPP3-1.0E	ZCPP3-020E	ZCPP4-1.0E	ZCPP4-020E
ZCPPB-1.0G	ZCPPB-020G	ZCPPA-1.0G	ZCPPA-020G	ZCPPK-1.0G	ZCPPK-020G	ZCPP1-1.0G	ZCPP1-020G	ZCPP2-1.0G	ZCPP2-020G	ZCPP3-1.0G	ZCPP3-020G	ZCPP4-1.0G	ZCPP4-020G
ZCPPB-1.0H	ZCPPB-020H	ZCPPA-1.0H	ZCPPA-020H	ZCPPK-1.0H	ZCPPK-020H	ZCPP1-1.0H	ZCPP1-020H	ZCPP2-1.0H	ZCPP2-020H	ZCPP3-1.0H	ZCPP3-020H	ZCPP4-1.0H	ZCPP4-020H
ZCPPB-1.0J	ZCPPB-020J	ZCPPA-1.0J	ZCPPA-020J	ZCPPK-1.0J	ZCPPK-020J	ZCPP1-1.0J	ZCPP1-020J	ZCPP2-1.0J	ZCPP2-020J	ZCPP3-1.0J	ZCPP3-020J	ZCPP4-1.0J	ZCPP4-020J
ZCPPB-1.0L	ZCPPB-020L	ZCPPA-1.0L	ZCPPA-020L	ZCPPK-1.0L	ZCPPK-020L	ZCPP1-1.0L	ZCPP1-020L	ZCPP2-1.0L	ZCPP2-020L	ZCPP3-1.0L	ZCPP3-020L	ZCPP4-1.0L	ZCPP4-020L
ZCPPB-1.0N	ZCPPB-020N	ZCPPA-1.0N	ZCPPA-020N	ZCPPK-1.0N	ZCPPK-020N	ZCPP1-1.0N	ZCPP1-020N	ZCPP2-1.0N	ZCPP2-020N	ZCPP3-1.0N	ZCPP3-020N	ZCPP4-1.0N	ZCPP4-020N
ZCPPB-1.0R	ZCPPB-020R	ZCPPA-1.0R	ZCPPA-020R	ZCPPK-1.0R	ZCPPK-020R	ZCPP1-1.0R	ZCPP1-020R	ZCPP2-1.0R	ZCPP2-020R	ZCPP3-1.0R	ZCPP3-020R	ZCPP4-1.0R	ZCPP4-020R
ZCPPB-1.0SK	ZCPPB-020SK	ZCPPA-1.0SK	ZCPPA-020SK	ZCPPK-1.0SK	ZCPPK-020SK	ZCPP1-1.0SK	ZCPP1-020SK	ZCPP2-1.0SK	ZCPP2-020SK	ZCPP3-1.0SK	ZCPP3-020SK	ZCPP4-1.0SK	ZCPP4-020SK
ZCPPB-1.0T	ZCPPB-020T	ZCPPA-1.0T	ZCPPA-020T	ZCPPK-1.0T	ZCPPK-020T	ZCPP1-1.0T	ZCPP1-020T	ZCPP2-1.0T	ZCPP2-020T	ZCPP3-1.0T	ZCPP3-020T	ZCPP4-1.0T	ZCPP4-020T
ZCPPB-1.0Y	ZCPPB-020Y	ZCPPA-1.0Y	ZCPPA-020Y	ZCPPK-1.0Y	ZCPPK-020Y	ZCPP1-1.0Y	ZCPP1-020Y	ZCPP2-1.0Y	ZCPP2-020Y	ZCPP3-1.0Y	ZCPP3-020Y	ZCPP4-1.0Y	ZCPP4-020Y
ZCPPB-1.0Z	ZCPPB-020Z	ZCPPA-1.0Z	ZCPPA-020Z	ZCPPK-1.0Z	ZCPPK-020Z	ZCPP1-1.0Z	ZCPP1-020Z	ZCPP2-1.0Z	ZCPP2-020Z	ZCPP3-1.0Z	ZCPP3-020Z	ZCPP4-1.0Z	ZCPP4-020Z
ZCPPB-1.5B	ZCPPB-025B	ZCPPA-1.5B	ZCPPA-025B	ZCPPK-1.5B	ZCPPK-025B	ZCPP1-1.5B	ZCPP1-025B	ZCPP2-1.5B	ZCPP2-025B	ZCPP3-1.5B	ZCPP3-025B	ZCPP4-1.5B	ZCPP4-025B
ZCPPB-1.5C	ZCPPB-025C	ZCPPA-1.5C	ZCPPA-025C	ZCPPK-1.5C	ZCPPK-025C	ZCPP1-1.5C	ZCPP1-025C	ZCPP2-1.5C	ZCPP2-025C	ZCPP3-1.5C	ZCPP3-025C	ZCPP4-1.5C	ZCPP4-025C
ZCPPB-1.5D	ZCPPB-025D	ZCPPA-1.5D	ZCPPA-025D	ZCPPK-1.5D	ZCPPK-025D	ZCPP1-1.5D	ZCPP1-025D	ZCPP2-1.5D	ZCPP2-025D	ZCPP3-1.5D	ZCPP3-025D	ZCPP4-1.5D	ZCPP4-025D
ZCPPB-1.5E	ZCPPB-025E	ZCPPA-1.5E	ZCPPA-025E	ZCPPK-1.5E	ZCPPK-025E	ZCPP1-1.5E	ZCPP1-025E	ZCPP2-1.5E	ZCPP2-025E	ZCPP3-1.5E	ZCPP3-025E	ZCPP4-1.5E	ZCPP4-025E
ZCPPB-1.5G	ZCPPB-025G	ZCPPA-1.5G	ZCPPA-025G	ZCPPK-1.5G	ZCPPK-025G	ZCPP1-1.5G	ZCPP1-025G	ZCPP2-1.5G	ZCPP2-025G	ZCPP3-1.5G	ZCPP3-025G	ZCPP4-1.5G	ZCPP4-025G
ZCPPB-1.5H	ZCPPB-025H	ZCPPA-1.5H	ZCPPA-025H	ZCPPK-1.5H	ZCPPK-025H	ZCPP1-1.5H	ZCPP1-025H	ZCPP2-1.5H	ZCPP2-025H	ZCPP3-1.5H	ZCPP3-025H	ZCPP4-1.5H	ZCPP4-025H
ZCPPB-1.5J	ZCPPB-025J	ZCPPA-1.5J	ZCPPA-025J	ZCPPK-1.5J	ZCPPK-025J	ZCPP1-1.5J	ZCPP1-025J	ZCPP2-1.5J	ZCPP2-025J	ZCPP3-1.5J	ZCPP3-025J	ZCPP4-1.5J	ZCPP4-025J
ZCPPB-1.5L	ZCPPB-025L	ZCPPA-1.5L	ZCPPA-025L	ZCPPK-1.5L	ZCPPK-025L	ZCPP1-1.5L	ZCPP1-025L	ZCPP2-1.5L	ZCPP2-025L	ZCPP3-1.5L	ZCPP3-025L	ZCPP4-1.5L	ZCPP4-025L
ZCPPB-1.5N	ZCPPB-025N	ZCPPA-1.5N	ZCPPA-025N	ZCPPK-1.5N	ZCPPK-025N	ZCPP1-1.5N	ZCPP1-025N	ZCPP2-1.5N	ZCPP2-025N	ZCPP3-1.5N	ZCPP3-025N	ZCPP4-1.5N	ZCPP4-025N
ZCPPB-1.5R	ZCPPB-025R	ZCPPA-1.5R	ZCPPA-025R	ZCPPK-1.5R	ZCPPK-025R	ZCPP1-1.5R	ZCPP1-025R	ZCPP2-1.5R	ZCPP2-025R	ZCPP3-1.5R	ZCPP3-025R	ZCPP4-1.5R	ZCPP4-025R
ZCPPB-1.5SK	ZCPPB-025SK	ZCPPA-1.5SK	ZCPPA-025SK	ZCPPK-1.5SK	ZCPPK-025SK	ZCPP1-1.5SK	ZCPP1-025SK	ZCPP2-1.5SK	ZCPP2-025SK	ZCPP3-1.5SK	ZCPP3-025SK	ZCPP4-1.5SK	ZCPP4-025SK
ZCPPB-1.5T	ZCPPB-025T	ZCPPA-1.5T	ZCPPA-025T	ZCPPK-1.5T	ZCPPK-025T	ZCPP1-1.5T	ZCPP1-025T	ZCPP2-1.5T	ZCPP2-025T	ZCPP3-1.5T	ZCPP3-025T	ZCPP4-1.5T	ZCPP4-025T
ZCPPB-1.5Y	ZCPPB-025Y	ZCPPA-1.5Y	ZCPPA-025Y	ZCPPK-1.5Y	ZCPPK-025Y	ZCPP1-1.5Y	ZCPP1-025Y	ZCPP2-1.5Y	ZCPP2-025Y	ZCPP3-1.5Y	ZCPP3-025Y	ZCPP4-1.5Y	ZCPP4-025Y
ZCPPB-1.5Z	ZCPPB-025Z	ZCPPA-1.5Z	ZCPPA-025Z	ZCPPK-1.5Z	ZCPPK-025Z	ZCPP1-1.5Z	ZCPP1-025Z	ZCPP2-1.5Z	ZCPP2-025Z	ZCPP3-1.5Z	ZCPP3-025Z	ZCPP4-1.5Z	ZCPP4-025Z
ZCPPB-003B	ZCPPB-040B	ZCPPA-003B	ZCPPA-040B	ZCPPK-003B	ZCPPK-040B	ZCPP1-003B	ZCPP1-040B	ZCPP2-003B	ZCPP2-040B	ZCPP3-003B	ZCPP3-040B	ZCPP4-003B	ZCPP4-040B
ZCPPB-003C	ZCPPB-040C	ZCPPA-003C	ZCPPA-040C	ZCPPK-003C	ZCPPK-040C	ZCPP1-003C	ZCPP1-040C	ZCPP2-003C	ZCPP2-040C	ZCPP3-003C	ZCPP3-040C	ZCPP4-003C	ZCPP4-040C
ZCPPB-003D	ZCPPB-040D	ZCPPA-003D	ZCPPA-040D	ZCPPK-003D	ZCPPK-040D	ZCPP1-003D	ZCPP1-040D	ZCPP2-003D	ZCPP2-040D	ZCPP3-003D	ZCPP3-040D	ZCPP4-003D	ZCPP4-040D
ZCPPB-003E	ZCPPB-040E	ZCPPA-003E	ZCPPA-040E	ZCPPK-003E	ZCPPK-040E	ZCPP1-003E	ZCPP1-040E	ZCPP2-003E	ZCPP2-040E	ZCPP3-003E	ZCPP3-040E	ZCPP4-003E	ZCPP4-040E
ZCPPB-003G	ZCPPB-040G	ZCPPA-003G	ZCPPA-040G	ZCPPK-003G	ZCPPK-040G	ZCPP1-003G	ZCPP1-040G	ZCPP2-003G	ZCPP2-040G	ZCPP3-003G	ZCPP3-040G	ZCPP4-003G	ZCPP4-040G
ZCPPB-003H	ZCPPB-040H	ZCPPA-003H	ZCPPA-040H	ZCPPK-003H	ZCPPK-040H	ZCPP1-003H	ZCPP1-040H	ZCPP2-003H	ZCPP2-040H	ZCPP3-003H	ZCPP3-040H	ZCPP4-003H	ZCPP4-040H
ZCPPB-003J	ZCPPB-040J	ZCPPA-003J	ZCPPA-040J	ZCPPK-003J	ZCPPK-040J	ZCPP1-003J	ZCPP1-040J	ZCPP2-003J	ZCPP2-040J	ZCPP3-003J	ZCPP3-040J	ZCPP4-003J	ZCPP4-040J
ZCPPB-003L	ZCPPB-040L	ZCPPA-003L	ZCPPA-040L	ZCPPK-003L	ZCPPK-040L	ZCPP1-003L	ZCPP1-040L	ZCPP2-003L	ZCPP2-040L	ZCPP3-003L	ZCPP3-040L	ZCPP4-003L	ZCPP4-040L
ZCPPB-003N	ZCPPB-040N	ZCPPA-003N	ZCPPA-040N	ZCPPK-003N	ZCPPK-040N	ZCPP1-003N	ZCPP1-040N	ZCPP2-003N	ZCPP2-040N	ZCPP3-003N	ZCPP3-040N	ZCPP4-003N	ZCPP4-040N
ZCPPB-003R	ZCPPB-040R	ZCPPA-003R	ZCPPA-040R	ZCPPK-003R	ZCPPK-040R	ZCPP1-003R	ZCPP1-040R	ZCPP2-003R	ZCPP2-040R	ZCPP3-003R	ZCPP3-040R	ZCPP4-003R	ZCPP4-040R
ZCPPB-003SK	ZCPPB-040SK	ZCPPA-003SK	ZCPPA-040SK	ZCPPK-003SK	ZCPPK-040SK	ZCPP1-003SK	ZCPP1-040SK	ZCPP2-003SK	ZCPP2-040SK	ZCPP3-003SK	ZCPP3-040SK	ZCPP4-003SK	ZCPP4-040SK
ZCPPB-003T	ZCPPB-040T	ZCPPA-003T	ZCPPA-040T	ZCPPK-003T	ZCPPK-040T	ZCPP1-003T	ZCPP1-040T	ZCPP2-003T	ZCPP2-040T	ZCPP3-003T	ZCPP3-040T	ZCPP4-003T	ZCPP4-040T
ZCPPB-003Y	ZCPPB-040Y	ZCPPA-003Y	ZCPPA-040Y	ZCPPK-003Y	ZCPPK-040Y	ZCPP1-003Y	ZCPP1-040Y	ZCPP2-003Y	ZCPP2-040Y	ZCPP3-003Y	ZCPP3-040Y	ZCPP4-003Y	ZCPP4-040Y
ZCPPB-003Z	ZCPPB-040Z	ZCPPA-003Z	ZCPPA-040Z	ZCPPK-003Z	ZCPPK-040Z	ZCPP1-003Z	ZCPP1-040Z	ZCPP2-003Z	ZCPP2-040Z	ZCPP3-003Z	ZCPP3-040Z	ZCPP4-003Z	ZCPP4-040Z
ZCPPB-005B	ZCPPB-055B	ZCPPA-005B	ZCPPA-055B	ZCPPK-005B	ZCPPK-055B	ZCPP1-005B	ZCPP1-055B	ZCPP2-005B	ZCPP2-055B	ZCPP3-005B	ZCPP3-055B	ZCPP4-005B	ZCPP4-055B
ZCPPB-005C	ZCPPB-055C	ZCPPA-005C	ZCPPA-055C	ZCPPK-005C	ZCPPK-055C	ZCPP1-005C	ZCPP1-055C	ZCPP2-005C	ZCPP2-055C	ZCPP3-005C	ZCPP3-055C	ZCPP4-005C	ZCPP4-055C
ZCPPB-005D	ZCPPB-055D	ZCPPA-005D	ZCPPA-055D	ZCPPK-005D	ZCPPK-055D	ZCPP1-005D	ZCPP1-055D	ZCPP2-005D	ZCPP2-055D	ZCPP3-005D	ZCPP3-055D	ZCPP4-005D	ZCPP4-055D
ZCPPB-005E	ZCPPB-055E	ZCPPA-005E	ZCPPA-055E	ZCPPK-005E	ZCPPK-055E	ZCPP1-005E	ZCPP1-055E	ZCPP2-005E	ZCPP2-055E	ZCPP3-005E	ZCPP3-055E	ZCPP4-005E	ZCPP4-055E
ZCPPB-005G	ZCPPB-055G	ZCPPA-005G	ZCPPA-055G	ZCPPK-005G	ZCPPK-055G	ZCPP1-005G	ZCPP1-055G	ZCPP2-005G	ZCPP2-055G	ZCPP3-005G	ZCPP3-055G	ZCPP4-005G	ZCPP4-055G
ZCPPB-005H	ZCPPB-055H	ZCPPA-005H	ZCPPA-055H	ZCPPK-005H	ZCPPK-055H	ZCPP1-005H	ZCPP1-055H	ZCPP2-005H	ZCPP2-055H	ZCPP3-005H	ZCPP3-055H	ZCPP4-005H	ZCPP4-055H
ZCPPB-005J	ZCPPB-055J	ZCPPA-005J	ZCPPA-055J	ZCPPK-005J	ZCPPK-055J	ZCPP1-005J	ZCPP1-055J	ZCPP2-005J	ZCPP2-055J	ZCPP3-005J	ZCPP3-055J	ZCPP4-005J	ZCPP4-055J
ZCPPB-005L	ZCPPB-055L	ZCPPA-005L	ZCPPA-055L	ZCPPK-005L	ZCPPK-055L	ZCPP1-005L	ZCPP1-055L	ZCPP2-005L	ZCPP2-055L	ZCPP3-005L	ZCPP3-055L	ZCPP4-005L	ZCPP4-055L
ZCPPB-005N	ZCPPB-055N	ZCPPA-005N	ZCPPA-055N	ZCPPK-005N	ZCPPK-055N	ZCPP1-005N	ZCPP1-055N	ZCPP2-005N	ZCPP2-055N	ZCPP3-005N	ZCPP3-055N	ZCPP4-005N	ZCPP4-055N
ZCPPB-005R	ZCPPB-055R	ZCPPA-005R	ZCPPA-055R	ZCPPK-005R	ZCPPK-055R	ZCPP1-005R	ZCPP1-055R	ZCPP2-005R	ZCPP2-055R	ZCPP3-005R	ZCPP3-055R	ZCPP4-005R	ZCPP4-055R
ZCPPB-005SK	ZCPPB-055SK	ZCPPA-005SK	ZCPPA-055SK	ZCPPK-005SK	ZCPPK-055SK	ZCPP1-005SK	ZCPP1-055SK	ZCPP2-005SK	ZCPP2-055SK	ZCPP3-005SK	ZCPP3-055SK	ZCPP4-005SK	ZCPP4-055SK
ZCPPB-005T	ZCPPB-055T	ZCPPA-005T	ZCPPA-055T	ZCPPK-005T	ZCPPK-055T	ZCPP1-005T	ZCPP1-055T	ZCPP2-005T	ZCPP2-055T	ZCPP3-005T	ZCPP3-055T	ZCPP4-005T	ZCPP4-055T
ZCPPB-005Y	ZCPPB-055Y	ZCPPA-005Y	ZCPPA-055Y	ZCPPK-005Y	ZCPPK-055Y	ZCPP1-005Y	ZCPP1-055Y	ZCPP2-005Y	ZCPP2-055Y	ZCPP3-005Y	ZCPP3-055Y	ZCPP4-005Y	ZCPP4-055Y
ZCPPB-005Z	ZCPPB-055Z	ZCPPA-005Z	ZCPPA-055Z	ZCPPK-005Z	ZCPPK-055Z	ZCPP1-005Z	ZCPP1-055Z	ZCPP2-005Z	ZCPP2-055Z	ZCPP3-005Z	ZCPP3-055Z	ZCPP4-005Z	ZCPP4-055Z
ZCPPB-007B	ZCPPB-075B	ZCPPA-007B	ZCPPA-075B	ZCPPK-007B	ZCPPK-075B	ZCPP1-007B	ZCPP1-075B	ZCPP2-007B	ZCPP2-075B	ZCPP3-007B	ZCPP3-075B	ZCPP4-007B	ZCPP4-075B
ZCPPB-007C	ZCPPB-075C	ZCPPA-007C	ZCPPA-075C	ZCPPK-007C	ZCPPK-075C	ZCPP							