

### Type keys

#### CR(E), CRI(E), CRN(E)

Example	CR	E	32	(s)	-4	-2	-A	-G	-G	-E	-HQ	QE
Type range: CR, CRI, CRN												
Pump with integrated frequency control												
Flow rate [m <sup>3</sup> /h]												
All impellers with reduced diameter (applies only to CR, CRI, CRN 1s)												
Number of impellers												
Number of reduced diameter impellers (CR(E), CRN(E) 32, 45, 64, 90)												
Code for pump version												
Code for pipe connection												
Code for materials												
Code for rubber parts												
Code for shaft seal												

### Codes

Example	A	-G	-G	-E	-H	QQ	E
<b>Pump version</b>							
A Basic version <sup>1)</sup>							
B Oversize motor							
E Certificate/approval							
F CR pump for high temperatures (air-cooled top assembly)							
H Horizontal version							
HS High-pressure pump with high speed MLE motor							
I Different pressure rating							
J Pump with different max speed							
K Pump with low NPSH							
M Magnetic drive							
N Fitted with sensor							
P Undersize motor							
R Horizontal version with bearing bracket							
SF High pressure pump							
T Over size motor (two flange sizes bigger)							
U NEMA version <sup>1)</sup>							
X Special version							
<b>Pipe connection</b>							
A Oval flange							
B NPT thread							
CA FlexiClamp (CRI(E), CRN(E) 1, 3, 5, 10, 15, 20)							
CX Triclap (CRI(E), CRN(E) 1, 3, 5, 10, 15, 20)							
F DIN flange							
G ANSI flange							
J JIS flange							
N Changed diameter of ports							
P PIE coupling							
X Special version							

Example	A	-G	-G	-E	-H	QQ	E
<b>Materials</b>							
A Basic version							
D Carbon-graphite filled PTFE (bearings)							
G Wetted parts AISI 316							
GI All parts stainless steel, wetted parts AISI 316							
I Wetted parts AISI 304							
II All parts stainless steel, wetted parts AISI 304							
K Bronze (bearings)							
S SiC bearings + PTFE neck rings							
X Special version							
<b>Code for rubber parts</b>							
E EPDM							
F FXM							
K FFKM							
V FKM							
<b>Shaft seal</b>							
A O-ring seal with fixed driver							
B Rubber bellows seal							
E Cartridge seal with O-ring							
H Balanced cartridge seal with O-ring							
K Metal bellows cartridge seal							
O Double seal, back-to-back							
P Double seal, tandem							
X Special version							
B Carbon, synthetic resin-impregnated							
H Cemented tungsten carbide, embedded (hybrid)							
Q Silicon carbide							
U Cemented tungsten carbide							
X Other ceramics							
E EPDM							
F FXM							
K FFKM							
V FKM							

<sup>1)</sup> In August 2003 the NEMA version pump code was discontinued for all material numbers created by Grundfos manufacturing companies in North America. The NEMA version pump code will still remain in effect for existing material numbers. NEMA version pumps built in North America after this change will have either an A or U as the pump version code depending on the date the material number was created.