Pipework connection

For pipework connection, various sets of counter flanges and couplings are available.

Adapter kit

6" flanges are available for CR, CRN 120 and 150 pumps. To use 6" flanges, two adapter kits must be ordered per pump.

	Adapter kit	Pump type	Pipe connection	Number of flange kits needed	Product number
	77188 15 × Ø 7/8" 10 5/8"	CR 120 CR 150	6" RF 250 lb. Ductile iron	2	96638184
TM04 0021 4807	18 15/16 Ø 6 3/16" Ø 9 1/4"	CRN 120 CRN 150	6" RF 300 lb. ANSI 316 SS	2	96638186

Counter flanges for CR(E)

A set consists of two counter flanges, two gaskets, bolts and nuts.

Cour	ter flange		Pump type	Description	Pressure class	Pipework connection	Product number
	-1/16" 3-7/8" 5-1/2"	TM02 5691 3802	CR 1s CR(E) 1 CR(E) 3 CR(E) 5	Threaded	ANSI 250 lb.	1 1/4" NPT	91122260
3/4"	33/16' 5' 6-1/2"	TM02 5692 3802	CR(E) 10 CR(E) 15 CR(E) 20	Threaded	ANSI 250 lb.	2" NPT	335021
ANSI 150 LB.	ANSI 300 LB.	TM02 5693 + 5694 3802	OR(F) 22	Threaded	ANSI 125 lb.	2 1/2" NPT	559601
5-1/2" - 7"	5-7/8"	TM02 5693 .	CR(E) 32	Threaded	ANSI 250 lb.	2 1/2" NPT	345050
3/4"	7/8"	TM02 5695 + 5696 3802		Threaded	ANSI 125 lb.	3" NPT	569601
6" 7-1/2"	5-11/16" 6-5/8" 8-1/4"	TM02 5695	CR(E) 45	Threaded	ANSI 250 lb.	3" NPT	91121952

Count	Counter flange		Pump type	Description	Pressure class	Pipework connection	Product number
ANSI 125 LB.	8		CR(E) 64	Threaded	ANSI 125 lb.	4" NPT	579801
7-1/2"	6-15/16" 7-7/8"	+ CR(E) 90	Threaded	ANSI 250 lb.	4" NPT	3600028	
8 x Ø 3/4"	8 x Ø 7/8"			Threaded	ANSI 125 lb.	5" NPT	91121956
7.31"	7.31"	CR(E) 120 CR(E) 150		Threaded	ANSI 250 lb.	5" NPT	91121957

Counter flanges for CRN(E)

Counterflanges for CRN(E) pumps are made of stainless steel according to AISI 316.

A set consists of two counter flanges, two gaskets, bolts and nuts.

Counter flange		Pump type	Description	Pressure class	Pipework connection	Product number
3/4" 3-1/16" 3-7/8" 5-1/2"	TM02 5691 3802	CRI(E), CRN(E) 1s, 1, 3 and 5	Threaded	ANSI 300 lb.	1 1/4" NPT	91129013
3/4" 4-3/16" 5-12"	TM02 5692 3802	CRI(E), CRN(E) 10, 15, 20	Threaded	ANSI 300 lb.	2" NPT	339919
ANSI 150 LB. ANSI 300 LB. 7/8"	TM02 5693 + 5694 3802	CRN(E) 32	Threaded	ANSI 150 lb.	2 1/2" NPT	91121951
5-1/2" 7"	TM02 5693	OMM(E) 32	Threaded	ANSI 300 lb.	2 1/2" NPT	0ID00138
3/4" 7/8"	TM02 5695 + 5696 3802	CRN(E) 45	Threaded	ANSI 150 lb.	3" NPT	91121953
5-11/16" 	TM02 5695	ONN(E) 40	Threaded	ANSI 300 lb.	3" NPT	91121954

Cour	Counter flange		Pump type	Description	Pressure class	Pipework connection	Product number
ANSI 150 LB.	ANSI 300 LB.	CRN(E) 64 + CRN(E) 64		Threaded	ANSI 150 lb.	4" NPT	0ID00148
7-1/2" 9"	6-15/16" 7-7/8" 10"	TM02 5697 -		Threaded	ANSI 300 lb.	4" NPT	91121955
8 x Ø 3/4"	8 x Ø 7/8"		CBN/E) 420	Threaded	ANSI 150 lb.	5" NPT	91121958
7.31° 8.5°	7.31"	CRN(E) 120 CRN(E) 150	Threaded	ANSI 300 lb.	5" NPT	91121959	

PJE couplings for CRN(E)

Couplings for CRN(E) pumps are made of stainless steel according to AISI 316.

A set consists of two couplings, two gaskets, two pipe stub and bolts and nuts.

Couplings			Pump type	Pipe stub	Rated pressure	Pipework connection	Rubber parts	Number of coupling sets needed	Product number			
			CRI(E),	Threaded	1160 psi	1 1/4" NPT -	EPDM	1	4013010			
		1094	CRN(E) 1s, 1, 3 and 5			1100 psi	1 1/4 11/1 -	FKM	1	0ID00118		
		3808	CRI(E) CRN(E) 10, 15 and 20				Throodod	1015 poi	2" NPT -	EPDM	1	331301
9		TM00		Threaded	1015 psi	2 NPI -	FKM	1	0ID00128			

FlexiClamp base connections

All sets comprise the necessary number of bolts and nuts as well as a gasket/O-ring.

Base connections	Pump type	Connection	Pipework connection	Rubber parts	Product number
109		Oval	1" NPT	Klingersil	96468491
	CRI(E), CRN(E)	(cast iron)	1 1/4" NPT	Klingersil	96470781
	4 1s, 1, 3 and 5	Oval	1" NPT	Klingersil	96480850
ТМО2	OMT.	(stainless steel)	1 1/4" NPT	Klingersil	96480851

Base connections		Pump type	Connection	Pipework connection	Rubber parts	Product number	
	0601	CRI(E), CRN(E)	Union	2" NPT -	EPDM	96480852	
	TM02 1145 0601	1s, 1, 3 and 5	ext. threaded		FKM	96480853	
	0601	CRI(E), CRN(E)	ANSI (FGJ)	1 1/4" NPT -	EPDM	96480858	
	TM02 1146 0601	1s, 1, 3 and 5	(stainless steel)	1 1/4 101 1	FKM	96480859	
				1" NPT -	EPDM	96480854	
	01	CRI(E), CRN(E) 1s, 1, 3 and 5	Clamp,	T NPT	FKM	96480855	
£ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1147 06		1s, 1, 3 and 5	threaded pipe stub	4 4/4" NDT	EPDM	96480856
	TM02			1 1/4" NPT -	FKM	96480857	
	2803	CRI(E), CRN(E)	Oval (cast iron)	2" NPT	Klingersil	96498838	
	TM02 7237 2803	10, 15 and 20	Oval (stainless steel)	2" NPT	Klingersil	96498839	
	2803	CRI(E), CRN(E)	ANSI (FGJ)	2" NPT -	EPDM	96511402	
	TM02 7238 2803	10, 15 and 20	(stainless steel)	Z'NPI -	FKM	96511403	
				1 1/2" NDT	EPDM	96500271	
			-	1 1/2" NPT -	FKM	96500272	
TMOZ 7239 2803		CRI(E), CRN(E) 10, 15 and 20	Clamp, threaded pipe	2" NPT -	EPDM	96500273	
	2803	10, 15 and 20	stub		FKM	96500274	
			2 " NPT -	EPDM	96508602		
	Ĭ				FKM	96508603	

Potentiometer for CRE, CRIE, CRNE

Potentiometer for setpoint setting and start/stop of the CRE, CRIE, CRNE pump.

Product	Product number
External potentiometer with cabinet for wall mounting	625468

G10-LON interface for CRE, CRIE, CRNE

The G10-LON interface is used in connection with data transmission between a Locally Operating Network (LON) and electronically controlled Grundfos pumps applying the Grundfos bus-protocol GENIbus.

Product	Product number
G10-LON interface	00605726

LiqTec for CR(E), CRI(E) and CRN(E)

A dry-running protection device. The Grundfos LiqTec stops the pump immediately

- if there is no liquid in the pump (dry-running)
- If the liquid temperature exceeds 266 °F ±8 °F.

When connected to the PTC sensors in the motor, the LiqTec also protects the motor against overheating.

LiqTec is prepared for DIN rail mounting in control cabinet.

Enclosure class: IP X0.

Remote control, R100

R100 is used for wireless communication with the CRE, CRIE, CRNE pump. The communication takes place by means of infrared light.

Product	Product number
R100	96615297

LiqTec dry-running protection	Pump type	Voltage [V]	LiqTec	Sensor ½"	Cable 16.4 ft	Extension cable 49.2 ft	Product number
Sensor Restart		200-240	•	•	•	-	96556429
4 9/16"	CR(E) CRI(E) CRN(E)	80-130	•	•	•	-	96556430
3 9/16"	TM03 2109 3705 CKN(E)	-	-	-	-	•	96443676

Sensors for CRE, CRIE, CRNE

Accessory	Measuring range	Product number
Pressure sensor • Connection: 1/4" NPT	0-87 psi (0-6 bar)	91136169
	0-145 psi (0-10 bar)	91136170
	0-232 psi (0-16 bar)	91136171
Includes a 6 ft cable with removable potted plug in addition to a standard plug for remote mounting.	0-362 psi (0-25 bar)	91136172
in addition to a standard plug for remote mounting.	0-580 psi (0-4 bar)	91136173

Gauges for CRE, CRIE, CRNE

Accessory	Measuring range	Product number
Liquid filled pressure gauge • AISI 304/Copper	30" Hg - 30 psi	91123566
	0-60 psi	00ID8562
	0-100 psi	00ID8563
	0-160 psi	00ID8564
	0-200 psi	00ID8565
	0-300 psi	00ID8566
	0-400 psi	00ID8567
	0-600 psi	00ID8568
Liquid filled pressure gauge • AISI 316	30" Hg - 30 psi	91130835
	0-60 psi	00ID8569
	0-100 psi	00ID8570
	0-160 psi	00ID8571
	0-200 psi	00ID8572
	0-300 psi	00ID8573
	0-400 psi	00ID8574
	0-600 psi	00ID8575
	0-200 psi	00ID8576