

Pompe cu roti dintate

Manufacturing coding for single gear pumps

PRD - • •

Size

- 1 - range 1
- 2 - range 2
- 3 - range 3

Mounting version

	Shaft	Flange
1	taper 1 : 5	rectangular, Germany
2	taper 1 : 8	rectangular, England
3	spline shaft DIN	rectangular, Germany
4	spline shaft SAE	square SAE
5	spline shaft SAE	oval SAE
6	with stub DEUTZ	DEUTZ
7	cylindrical SAE	oval SAE
8		
9	cylindrical	rectangular, Germany
10	taper 1 : 5	BF 1
11	taper 1 : 5	BF 2
12	cylindrical SAE	SAE B (oval and square)
13	cylindrical	SAE C (oval and square)
14	splines DIN	rectangular, England
15	cylindrical SAE	square SAE
16	splines DIN	BF 2
17	taper 1 : 9,5	special
18	splines SAE	rectangular, England
19	with stub DEUTZ	oval SAE
20	splines DIN	BF 1
21	spline shaft SAE	rectangular, Germany
22		
23	taper 1 : 5	oval SAE
24	taper 1 : 8	oval SAE
25	cylindrical SAE	rectangular, England

Supplementary devices

	inside flange	inside cover
1	normal	normal
2	normal	with valve
3	attached bearing	normal
4	attached bearing	with valve
5	normal	adj.of flow Qrez.int. without valve
6	normal	adj.of flow Qrez.ext. without valve
7	enclosed bearing	normal
8	normal	adj.of flow Qrez.ext. with valve
9	attached bearing	adj.of flow Qrez.ext. with valve
10	attached bearing	adj.of flow Qrez.ext. without valve
11	attached bearing	adj.of flow Qrez.int. without valve
12	enclosed bearing	adj.of flow Qrez.ext. with valve

Qrez.int.=internal residual flow
Qrez.ext. =External residual flow

Version

	Vg [cm³/rev]		
	range 1	range 2	range 3
1	1	4	22,5
2	1,25	5,5	28
3	1,75	8	32
4	2,25	11	38
5	2,75	14	45
6	3,25	16	56
7	3,75	19	63
8	4,25	22,5	70
9	5	26	
10	6		
11	8		

Driving direction

- D - R.H.
- S - L.H.

Adjusted pressure "x"

x	1	2	3	4	5	6	7	8
adj.pres.[bar]	63	80	100	125	160	180	200	220

Adjusted flow "y"

y	Regulator with valve								Regulator without valve																		
	PRD 2				PRD 3				PRD 2																		
	1	2	3	4	5	1	2	3	4	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	
adj.flow[l/min]	3	6	10	12	15	30	35	40	50		4		6	8		10	12		16						20		

Pompe multiple cu roti dintate

Manufacturing coding for double and triple gear pumps



Size

- 21 - range 2 + range 1
- 22 - range 2 + range 2
- 32 - range 3 + range 2
- 33 - range 3 + range 3
- 222 - range 2 + range 2 + range 2
- 322 - range 3 + range 2 + range 2
- 332 - range 3 + range 3 + range 2
- 333 - range 3 + range 3 + range 3

Mounting version

	Shaft	Flange
1	conical 1 : 5	rectangular, Germany
2	conical 1 : 8	rectangular, England
3	splines DIN	rectangular, Germany
4	splines SAE	square SAE
5	splines SAE	oval SAE
6	with stub DEUTZ	DEUTZ
7	conical 1 : 5	BF 1
8	conical 1 : 5	BF 2
9	cylindrical with key	rectangular, Germany
10	conical 1 : 8	rectangular, Germany
11	splines DIN	BF 2
12	cylindrical with key	oval SAE
13	conical 1 : 5	rectangular, England
14	cylindrical SAE B with key	square SAE B
15	splines SAE (12)	oval SAE
16	with stub DEUTZ	oval SAE
17	conical 1 : 5	oval SAE
18	splines DIN	rectangular, England
19	splines SAE	rectangular, Germany

Supplementary devices

	inside flange	inside cover
1	normal	normal
2	normal	with valve
3	BF 1	normal
4	BF 2	normal
5	BF 1	with valve
6	BF 2	with valve
7	normal	adj. of flow Qrez.int. with valve
8	normal	adj. of flow Qrez.ext. with valve
9	embedded bearing	normal
10	BF 2	adj. of flow Qrez.int.
11	BF 2	adj. of flow Qrez.ext.
12	attached bearing	normal
13	attached bearing	adj. of flow Qrez.int. without valve
14	normal	adj. of flow Qrez.int. without valve

Qrez.int. = internal residual flow
Qrez.ext. = external residual flow

Version

	Vg [cm ³ /rev]		
	range 1	range 2	range 3
1	1	4	22,5
2	1,25	5,5	28
3	1,75	8	32
4	2,25	11	38
5	2,75	14	45
6	3,25	16	56
7	3,75	19	63
8	4,25	22,5	70
9	5	26	
10	6		
11	8		

Driving direction

D - R.H.
S - L.H.

Adjusted pressure "x"

x	1	2	3	4	5	6	7	8
adj.pres.[bar]	63	80	100	125	160	180	200	220

Adjusted flow "y"

y	Regulator with valve								Regulator without valve																			
	PRD 2				PRD 3				PRD 2																			
	1	2	3	4	5	1	2	3	4	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17		
adj.flow[l/min]	3	6	10	12	15	30	35	40	50		4		6	8		10	12		16						20			