



AGS-INDUSTRIAL HYDRAULIC

YC-REXROTH SERIES VARIABLE DISPLACEMENT PISTON PUMPS

YC-REXROTH SERIES HYDRAULIC VALVES

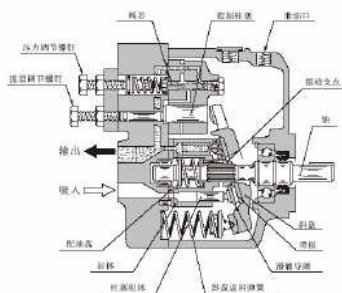
MULTIPLE VALVES

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Note: For all details of the products including drawing and efficiency curve, please contact us.

“PLA” SERIES VARIABLE DISPLACEMENT PISTON PUMPS



Displacement and operating pressure

Series code	PLA16	PLA22	PLA36	PLA56	PLA70	PLA90	PLA145
geometric displacement (ml/rev)	15.8	22.2	36.9	56.2	70.0	91.0	145.0
Max operating pressure (MPa)	21	16	21	21	28	28	28

Main Categories

Pressure Compensator Type ----- page 4

Solenoid Two Pressure Compensator Type ----- page 5

Pressure Compensator with Unloading Type ----- page 6

Proportional Electro-Hydraulic Load Sensing Type ----- page 6

Model code

PLA16-56 type

PLA16	-F	-R	-01	-B	-S	-K	-50
Series No.	Mounting type	Rotation type	Type of control	pressure range MPa	Port position	Shaft extension type	Design number
PLA116	F: flange mounting L: foot mounting	(See from drive end) R: CW (standard)	01: Pressure Compensator Type	B:1.2~7 C:1.2~16 H:1.2~16	None: Axial port S: Side port	K: flat key	50
PLA22				B:1.2~7 C:1.2~16			50
PLA36				B:1.2~7			50
PLA56				C:1.2~16 H:1.2~16			50

PLA70-145 type

PLA16	-F	-R	-01	-B	-S	-50
Series No.	Mounting type	Rotation type	Type of control	pressure range MPa	Port position	Design number
PLA70	F: flange mounting L: foot mounting	(See from drive end) R: CW (standard)	01: Pressure Compensator Type	B:1.2~7	S: Side port	50
PLA90				C:1.2~16		50
PLA145				H:1.2~21 K:2.0~28		50

Main technical Data

Code	Geometric displacement ml/rev	Min Regulated flow MI/rev	Operating pressure(MPa)		Speed range r/min		Weight kg	
			Rate.	Max.	Rate.	Max.	flange mounting	foot mounting
PLA16-*-R-01-*-K-50	15.8	4	16	21	1800	600	16.5	18.7
PLA22-*-R-01-*-K-50	22.2	6	16	16	1800	600	16.5	18.7
PLA36-*-R-01-*-K-50	36.9	10	16	21	1800	600	28.0	32.3
PLA56-*-R-01-*-K-50	56.2	12	16	21	1800	600	35.0	39.3
PLA70-*-R-01-*-S-50	70.0	30	25	28	1800	600	58.5	70.5
PLA90-*-R-01-*-S-50	91.0	56	25	28	1800	600	72.5	93
PLA145-*-R-01-*-S-50	145	83	25	28	1800	600	92.5	117.5

Model code

PLA16-56 type

PLA16	-F	-R	-02	-S	-K	-A100	-50
Series No.	Mounting type	Rotation type	Type of control	Port position	Shaft extension type	solenoid directional valve coil	Design number
PLA16	F: flange mounting L: foot mounting	(See from drive end) R: CW (standard)	02: Solenoid Two Pressure Compensator Type	None: Axial port S: Side port	K: flat key	AC: A100,A120 A200,A240 DC: D12,D24,D48	50
PLA22							50
PLA36							50
PLA56							50

PLA70-145 type

PLA70	-F	-R	-02	-S	-A100	-50
Series No.	Mounting type	Rotation type	Type of control	Port position	Solenoid directional valve coil	Design number
PLA70	F: flange mounting L: foot mounting	(See from drive end) R: CW (standard)	02: Solenoid Two Pressure Compensator Type	S: Side port	AC: A100,A120 A200,A240 DC: D12,D24,D48	50
PLA90						50
PLA145						50

Main technical Data

Code	Geometric displacement ml/rev	Min regulated flow ml/rev	Operating pressure (MPa)		Min regulated pressure	Speed range r/min	
			Rate.	Max.		Max.	Min.
PLA16-*-R-02-*-K-*-50	15.8	4	16	21	1.2	1800	600
PLA22-*-R-02-*-K-*-50	22.2	6	16	16		1800	600
PLA36-*-R-02-*-K-*-50	36.9	10	16	21		1800	600
PLA56-*-R-02-*-K-*-50	56.2	12	16	21		1800	600
PLA70-*-FR-02-S-*-50	70.0	30	25	28	2	1800	600
PLA90-*-FR-02-S-*-50	91.0	56	25	28		1800	600
PLA145-*-FR-02-S-*-50	145	83	25	28		1800	600

Pressure Compensator with Unloading Type variable displacement piston pumps

Main technical Data

Code	geometric displacement ml/rev	Min regulated flow ml/rev	Operating pressure (MPa)		Min regulated pressure (MPa)	Speed range r/min
			Rated	Max.		
PLA16-*-R-03-*-K-*-50	15.8	4	16	21	1.2	600~1800
PLA22-*-R-03-*-K-*-50	22.2	6	16	16		
PLA36-*-R-03-*-K-*-50	36.9	10	16	21		
PLA56-*-R-03-*-K-*-50	56.2	12	16	21		
PLA70-*-R-03-S-*-50	70.0	30	25	25	2	
PLA90-*-R-03-S-*-50	91.0	56	25	25		
PLA145-*-R-03-S-*-50	145	83	25	25		

Proportional Electro-Hydraulic Load Sensing Type variable displacement piston pumps

Main technical Data

Code		PLA 16	PLA 22	PLA 36	PLA 56	PLA 70	PLA 90	PLA 145
Item	geometric displacement cm ³ /rev	15.8	22.2	36.9	56.2	70.0	91.0	145
Operating pressure (MPa)	Rated	16	16	16	16	16	16	16
	Max.	21	21	21	21	21	21	21
Speed range r/min	Rated	1800	1800	1800	1800	1800	1800	1800
	Max.	600	600	600	600	600	600	600
Flow Control	Flow regulating range (L/min)	1~28.4	1~40	2~66	1~101	1~126	1~163	1~261
	hysteresis loop	<3%						
	Rated current flow	900	700	740	790	820	920	950
	Coil resistance Ω(20C°)	10						
pressure control	Pressure regulating range (MPa)	B:★~6.9 C:★~15.7 H:★~20.6						
	hysteresis loop	<2%						
	Rated current flow	B:770, C:880, H:790				C:870 H:760	C:870 H:765	C:870 H:760
	Coil resistance Ω(20C°)	10						
Special for power amplifier		AME-D2-1010-*-11						

★The min. regulating pressure is different for all kind of pumps.

CONVENTIONAL HYDRAULIC VALVES

Example:

Relief Valve/Solenoid Controlled Relief Valve——DB/DBW 10**-*50Y/..... DB/DBW 20**-*50Y/.....



DBW 10 * -1- 50 Y/ * X U 6A G24 N Z4 /V

Series code: _____
 DB: pilot operated relief valve
 DBW: Solenoid Controlled Relief Valve
Code of specification: _____
 10:10mm 20:20mm
Normalcy (for DBW): _____
 A: normally close B: normally open

Adjusting device: _____
 1: pilot wheel
 2: Screw adjustment

Design No: 50~59 _____

Company code: _____
 Yuci hydraulic technique

Pressure stage: _____
 50: 5.0MPa 100: 10.0MPa
 200: 20.0MPa 350: 35.0MPa

Sealing material:
 None: Buna-N rubber
 N: Fluoro rubber

Electrical connection (for DBW):
 Z4: standard plug
 Z4L: standard plug with light
 Z5: large-sized angle plug
 Z5L: large-sized angle plug with light

Manual button (for DBW):
 N: Manual button (pushrod)

Solenoid type:
 G12: DC 12V G24: DC 24V
 W220: AC 50HZ
 W220R: 220V DC Solenoid
 (Can use 220V AC source direct)

Solenoid state:
 6A: Solenoid with 6mm size

Min. pressure:
 None: standard
 U: setting min. pressure

Oil control/drain
 None: internal control & internal drain
 Y: internal control & external drain
 X: external control & internal drain
 XY: external control & external drain

Technical Data

Model	Max. Operating pressure (MPa)	Port Y Allow backpressure (MPa)	Setting pressure (MPa)	Max. flow (L/MIN)	Temperature Range (°C)	Viscosity range (mm ² /s)	Filtration rating	Weight (kg)	Directional valves
DB10	35	31.5	Min.	250	-30~+80	10~800	NAS1638 Degree 9	2.6	See directional catalogue
DBW10			As per the flow					3.8	
DB20			Max: up to 5.0,	3.5					
DBW20			10.0, 20.0, 35.0	4.7					

Solenoid Controlled Directional Valve——WE6-**-60Y/.....*



***WE6 - * - 60 Y/ * C * * * ***

Technical Data

Model	Max. Operating pressure (MPa)	Port T Allow backpressure (MPa)	Max. flow (L/min)	Max. Switching Frequency (times/second)	Viscosity range (mm ² /s)	Temperature Range (°C)	Weight (kg)	
							AC solenoid	DC and W220 solenoid
three-position valve (two-solenoid valve)	35	21(DC) 16(AC)	80-for DC solenoid 60-for AC solenoid	240 (120 for W220R type)	2.5~500	-30~+80	3.5	4.8
two-position valve (one solenoid valve)							2.9	3.6

Electrical Appliance

Type	adaptable voltage(V)	required power(W)	holding power(VA)	Rushing power(VA)	operating cycle	cycle time(ISO6403)		Insulation requirement	Switching Frequency(times/hour)
						Open(ms)	Close(ms)		
DC	12、24	30	-	-	100%	25~45	10~25	1P65	15000
AC	220,50Hz	-	58	154		10~20	15~40		7200

Solenoid Controlled Directional Valve——WE10-**-30Y/.....*



***WE10 - * - 30 Y/ * C * * * ***

Technical Data

Model	Max. Operating pressure (MPa)	Port T Allow backpressure (MPa)	Max. flow (L/min)	Max. Switching Frequency (times/second)	Viscosity range (mm ² /s)	Temperature Range (°C)	Weight (kg)	
							AC solenoid	DC and W220 solenoid
three-position valve (two-solenoid valve)	31.5	21(DC) 16(AC)	120	240 (120 for W220R type)	2.5~500	-30~+80	5.1	6.7
two-position valve (one solenoid valve)							4.3	5.1

Electrical Appliance

Type	adaptable voltage(V)	required power(W)	holding power(VA)	Rushing power(VA)	operating cycle	cycle time(ISO6403)		Insulation requirement	Switching Frequency(times/hour)
						Open(ms)	Close(ms)		
DC	12、24	36	-	-	100%	45~70	35~45	1P65	12000
AC	220,50Hz	-	95	308		20~55	40~60		7200

Solenoid Controlled and Pilot Operated Directional Valve

4WEH16-* -60Y/E-*G24Z4/..., 4WEH25-* -60Y/E-*G24Z4/...



4WEH 16 -* - 60Y / E -* - G24 Z4 / C2 D Y X

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Technical Data

Model	☆1 Max. flow (L/min)	Max. Operating pressure (MPa)	Max. control pressure (MPa)	☆2 Min. control pressure (MPa)	drain back allow backpressure(MPa)		Max. reversing frequency			☆3 Weight (kg)
					external drain	Internal drain	AC	DC	R	
4WEH16-※-60Y/E-* - **/ ※=E H J F G M U L Q P R V	300	31.5	25	1.2	21	21	120	120	120	8.9
4WEH16-※A-60Y/E-* - **/ 4WEH16-※B-60Y/E-* - **/ ※=E H J F G M U L Q P R V	300	31.5	25	1.2	21	21	120	120	120	8.9
4WEH16-※-60Y/E-* - **/ ※=C D K Z	300	31.5	25	1.2	21	21	120	120	120	8.9
4WEH25-※-60Y/E-* - **/ ※=E H J F G M U L Q P R V	600	31.5	25	1.2	21	21	120	120	120	18
4WEH25-※A-60Y/E-* - **/ 4WEH25-※B-60Y/E-* - **/ ※=E H J F G M U L Q P R V	600	31.5	25	1.2	21	21	120	120	120	17.6
4WEH25-※-60Y/E-* - **/ ※=C D K Z	600	31.5	25	1.2	21	21	120	120	120	17.6

Electrical Appliance

Type	adaptable voltage(V)	required power(W)	holding power(VA)	Rushing power(VA)	operating cycle	cycle time(ISO6403)		Insulation requirement	Switching Frequency(times/hour)
						Open(ms)	Close(ms)		
DC	12、24	30	-	-	100%	25~45	10~25	1P65	15000
AC	220,50Hz	-	58	154		10~20	15~40		7200

The guide valve is adapted 4WEH6-* -60Y/C..... solenoid controlled directional valve.

S*A type Straight One-Way Valve



S 10 A -2 -1 -10Y V *

Technical Data

Model	Max. operating pressure (MPa)	Flow (L/min)
S*A-**-10Y/	31.5	Up to 400

S*P type Plate Type One-Way Valve



S 10 P -2 -10Y/ V *

Technical Data

Model	Max. operating pressure (MPa)	Flow (L/min)
S*P-**-10Y/	31.5	Up to 400

SV/SP type Pilot Controlled Check Valve



SV 20 P -B -2 -30Y/ V *

Technical Data

Model		Operating pressure(MPa)	X port control area(cm ²)	Y port control area(cm ²)	operating pressure (MPa)	Weigh (kg)
Internal drain type	SV10P-**-30Y/	31.5	2.2		0.5~31.5	2.5
	SV20P-**-30Y/		8.7			4.0
	SV30P-**-30Y/		17.5			8.0
External drain type	SL10P-**-30Y/	31.5	2.2	1.9		2.5
	SL20P-**-30Y/		8.7	7.7		4.5
	SL30P-**-30Y/		17.5	16.8		8.0

ELECTRO-HYDRAULIC PROPORTIONAL VALVE

Proportional Relief (Pilot) Valve——EDG-01*-*-P-PNT*-50Y



EDG -01 V -C -1 -PN T13 50Y

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Technical Data

Item	Model	EDG-01*-*-1-PNT*-50Y
Max. Operating Pressure (MPa)		24.5
Max. Flow (L/min)		2
Min. Flow (L/min)		0.3
Pressure adjusting range (MPa)		B:0.5~6.9 C:1.0~15.7 H:1.2~24.5
Rated current		B:800 C:900 H:950
Coil resistance (mA)		10
hysteresis loop		<3%
repetitiveness		<1%
Weight (kg)		2
degree of linearity %		±3.5



DBEM 10/20 -2- 50Y/ 200 V *

Technical Data

		DBEM 10-*-50Y/*	DBEM 20-*-50Y/*
Max. Operating pressure (MPa)		31.5	31.5
Max. Flow (L/min)		200	400
Proportional Control Pressure Range (MPa)		50:0.7~5.0MPa 200:1.6~20.0MPa	100:1.0~10.0MPa 315:2~31.5MPa
Main Valve Max. Pressure Protect (MPa)		50:6~8MPa 200:22~24MPa	100:12~14MPa 315:33~35MPa
Pilot valve flow (L/min)		0.7~2	
Degree Of Linearity (%)		±3.5	
Hysteresis Loop (%)		controller with tremor:±1.5Pj controller with tremor:±4.5Pj (Pj: pressure stage)	
Applicable medium	spread of viscosity (mm²/S)	2.8~380	
	temperature range °C	-20~+70	
	Cleanliness requirement	Degree NAS 10	
Electrical Appliance	Matched amplifier	AME-D-11-24-10 or YT-200S40、VT-200K40	
	Control current range (A)	0.1~0.8	
	Coil resistance Ω	19.5 under 20°,Max. is 28.8	
	ambient temperature °C	+50	
	working condition	continuous working	
	Insulation requirement	1P65	
	electrical connection	plug connection	



EFB G -03 -125 -C -15

Technical Data

Code Item		EFBG-030125-*-15
Max. Operating pressure kgf/cm ² (MPa)		250(25)
Max. Flow (L/min)		125
Flow control range (L/min)		1~125
Flow control	Rated current (mA)	680
	Coil resistance (Ω)	43.5
	Valve differential pressure kgf/cm ² { MPa }	6 { 0.6 }
	Hysteresis loop	<7%
	Repetitiveness	1%
Pressure control	Pressure adjusting range kgf/cm ² { MPa }	C:14~140 { 1.4~14 } H:14~210 { 1.4~21 }
	Rated current (mA)	C:710 H:770
	Coil resistance (Ω)	10
	hysteresis loop	<3%
	Repetitiveness	1%

The Power amplifier:

For stable performance, please use the YC series Hydraulic series specialized power amplifier. Code:AME-D2-H2-48-10
Please contact us about the details.



4WRA 6/10 -E- 3 -10Y/ *

Technical Data

		4WRA6-**-10Y/	4WRA10-**-10Y/
Operating Pressure (MPa)	P、A、B port	31.5	31.5
	T port	16	16
Flow(1MPa Valve pressure drop) (L/min)		8、13、17	18、27、50
Hysteresis loop (%)		<6	
Accuracy of repetition (%)		<3	
Applicable medium	spread of viscosity (mm ² /S)	2.8~380	
	temperature range °C	-20~+70	
	Cleanliness requirement	Degree NAS 10	
Electrical Appliance	Matched amplifier	AME-D-12-24-20 or VT-3017 S30	AME-D-12-24-20 or VT-3018 S30
	Control current range (A)	0.1~0.8	0.1~1.5
	Coil resistance Ω	20°normalcy:5.4 Max. thermal state:8.1	20°normalcy:10 Max. thermal state:14
	Ambient temperature °C	+50	
	working condition	continuous working	
	Insulation requirement	1P65	
	Electrical connection	plug connection	



4WRE 6/10 -E- 3-10Y/ *

Technical Data

Model		4WRA6-**-10Y/	4WRA10-**-10Y/
Operating Pressure (MPa)	P、A、B port	31.5	31.5
	T port	16	16
Flow(1MPa Valve pressure drop) (L/min)		8、13、17	18、27、50
Hysteresis loop (%)		<1.5	
Accuracy of repetition (%)		<1.5	
Applicable medium	spread of viscosity (mm ² /S)	2.8~380	
	temperature range (°C)	-20~+70	
	Cleanliness requirement	Degree NAS 10	
Electrical Appliance	Matched amplifier	AME-DF-12-24-20 or VT-5005 S10	AME-DF-12-24-20 or VT-5006 S10
	Control current range (A)	0.1~0.8	0.1~1.5
	Coil resistance Ω	20°normalcy:5.4 Max. thermal state:8.1	20°normalcy:10 Max. thermal state:14
	Ambient temperature °C	+50	
	working condition	Continuous working	
	Insulation requirement	1P65	
	Electrical connection	Plug connection	
Displacement transducer	principle of measurement	Differential transformer	
	Working stroke (mm)	±4.5	
	degree of linearity (%)	1	
	Coil resistance (Ω)	56/56/112 (20°normalcy)	
	electrical inductance (mH)	6~8	
	Frequency (kHz)	2.5	

STACKED HYDRAULIC VALVES

ZDB/Z2DB type Stacked Relief Valve



Z DB/2DB 6 -VP -2 -40Y/ 315 -V -*

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Technical Data

Model	Max. Operating Pressure (MPa)	Max. Flow (L/min)
Z*DB6-V*-*-40Y/*	31.5	60

ZDR type Stacked Reducing Valve



Z DR 6 -DP -2 -30Y/ 210 Y M

Technical Data

Model	Max. Secondary Pressure (MPa)	Max. Flow (L/min)
Z*DR6-D*-*-30Y/*	21	30

Z2FS type Stacked Throttle and Check Valve



Z 2FS 6 -2 -30Y/ * -V -*

Technical Data

Model	Max. Operating Pressure (MPa)	Max. Flow (L/min)
Z2FS6-* -30Y/*	31.5	80

Z2S type Stacked Pilot Controlled Check Valve



Z 2S 6 –A -2 -60Y/ V *

Technical Data

Model	Max. Operating Pressure (MPa)	Max. Flow (L/min)
Z2S6-**-*-60Y/*	31.5	60

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Z1S type Stacked Check Valve



Z 2S 6 –A -2 -60Y/ V *

Technical Data

Model	Max. Operating Pressure (MPa)	Max. Flow (L/min)
Z1S6-**-*-30Y/*	31.5	40

ZDB/Z2DB type Stacked Relief Valve



Z DB/2DB 10 –VP -2 -40Y/ 315 -V -*

Technical Data

Model	Max. Operating Pressure (MPa)	Max. Flow (L/min)
Z*DB10-V**-*-40Y/*	31.5	100

ZDR type Stacked Reducing Valve



Z DR 10 -DP -2 -40Y/ 210 Y M

Technical Data

Model	Max. Secondary Pressure (MPa)	Max. Flow (L/min)
ZDR10-D*- *-40Y/*	21	80

Z2FS type Stacked Throttle and Check Valve



Z 2FS 10 -2 -20Y/ * -V -*

Technical Data

Model	Max. Operating Pressure (MPa)	Max. Flow (L/min)
Z2FS10-* -20Y/*	31.5	120

Z2S type Stacked Pilot Controlled Check Valve



Z 2S 10 -A -2 -30Y/ V *

Technical Data

Model	Max. Operating Pressure (MPa)	Max. Flow (L/min)
Z2S10-* - *-60Y/	31.5	120

Z1S type Stacked Check Valve



Z 1S 10 -A -2 -30Y/ V *

Technical Data

Model	Max. Operating Pressure (MPa)	Max. Flow (L/min)
Z1S10-* - *-30Y/	31.5	100

MULTIPLE VALVES

NDL15G-*-C-*(YD24).....type Multiple Valve (electric hydraulic control\ manual control)



NDL 15 G - * - C - O (YD24) / Y (YD24) /
 Section 1 section 2 section n

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Multiple valve series code

Nominal size: 15: 15mm

Connecting:

G: P、A、B is G1/2"
 Return Oil port T is G1/2"

Main relief valve pressure adjusting range:

X:10~100bar (standard is 80 bar)
 Y:80~160bar (standard is 130 bar)
 Z:90~190bar (standard is 180 bar)
 K:190~250bar (standard is 210 bar)
 H:250~300bar (standard is 250 bar)

Code and meaning
 The same as Section 1

valve plug reversing control type:

(YD24): electric hydraulic and manual control, voltage DC24V
 (YD12): electric hydraulic and manual control, voltage DC12V
 (S): manual control

Hydraulic graphic symbol and code:

O, Y, F, A, B

C: Tandem and parallel circuit

B: Parallel circuit

Technical Data

Model	NDL15G-*-*(YD24)***	
Nominal size (mm)	15	
Nominal flow (L/min)	80	
Max. Operating Pressure	30	
Weight (kg)	Section 2	15
	Section 3	19
	Section 4	23

NDL20G-*-B-*(SQ).....type Multiple Valve (manual control, pneumatic control)



**NDL 20 G - * -B - F (SQ) / O (SQ) /
 Section 1 section 2 section n**

Multiple valve series code

Nominal size: 20: 20mm

Connecting:
G: P、 A、 B is G3/4"
 Return Oil port T is G1"

Main relief valve pressure adjusting range:
 X:10~100bar (standard is 80 bar)
 Y:80~160bar (standard is 130 bar)
 Z:90~190bar (standard is 180 bar)
 K:190~250bar (standard is 210 bar)
 H:250~300bar (standard is 250 bar)

Code and meaning
 The same as Section 1

valve plug reversing control type:
 (SQ): pneumatic control
 (S): manual control

Hydraulic graphic symbol and code:
 O, Y, F, A, B

C: Tandem and parallel circuit
B: Parallel circuit

Technical Data

Model	NDL20G-*-*(SQ)***	
Nominal size (mm)	20	
Nominal flow (L/min)	100	
Max. Operating Pressure	30	
Weight (kg)	Section 2	20
	Section 3	26
	Section 4	32

NDL20G-*-C*(SP).....type Multiple Valve (manual reset , automatic pressure reset)



NDL 20 G - * -C - O (SP) / O (SP) /

Section 1
section 2
section n

Multiple valve series code

Nominal size: 20: 20mm

Connecting:

G: P、 A、 B is G3/4"
Return Oil port T is G1"

Main relief valve pressure adjusting range:

X:10~100bar (standard is 80 bar)
Y:80~160bar (standard is 130 bar)
Z:90~190bar (standard is 180 bar)
K:190~250bar (standard is 210 bar)
H:250~300bar (standard is 250 bar)

Code and meaning
The same as Section 1

valve plug reversing control type:

(SP): pneumatic control
(S): manual control

Hydraulic graphic symbol and code:

O, Y, F, A, B

C: Tandem and parallel circuit

B: Parallel circuit

Technical Data

Model	NDL20G-*-*(SQ)***	
Nominal size (mm)	20	
Nominal flow (L/min)	100	
Max. Operating Pressure	30	
Weight (kg)	Section 2	20
	Section 3	26
	Section 4	32