MONO Progressive Distributor

General

The MONO series progressive distributor is designed for small-size progressive lubrication systems. They are a cost efficient solution for supplying multiple lubrication points with relatively small volumes of oil and grease. The MONO series can be used with machine tools, processing machinery, presses, textile, printing and packaging machinery. The MONO is also suitable for mobile applications, including off-road equipment.

Technical data

Operating pressure max	30Mpa
Discharge per outlet	0.25g /cyc
Ambient temperature	-20℃to +80℃
Grease lubricants	NLGI 000 # to 2#; Oil ISO VG 68 to 1500 at operating
Advantage	1.No rubber seals 2.Combining of outlets 3.Exact lubricant metering 4.High operating pressure

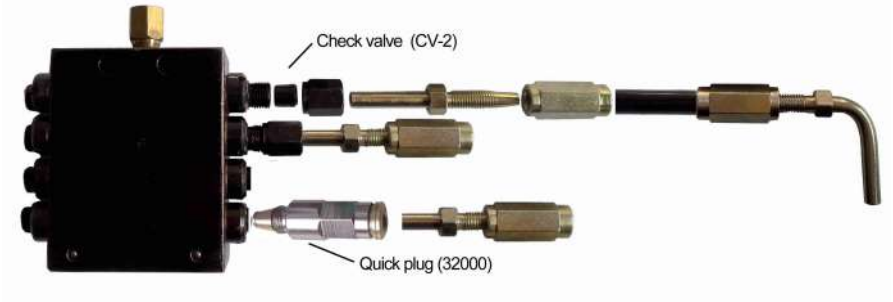
How to Order

Symbol	06	08	10	12	14	16	18	20
Outlet Number	6	8	10	12	14	16	18	20

***The example:**

Mono-06 **Mono**:The type; **06**:The number of the outlet;

Application:



Check valve of MONO

Outlet fitting with check valve of MONO
Part No. CV-1 (for 4mm pipe)
CV-2 (for 6mm pipe)

High pressure Quick plug in fittings

Check valve for 6 mm tube with feinforced collet and smooth flange .

Pressure:30MPa
Part No. 32000 (for 6mm pipe)

Figure	Material	Name	Part No.	Stud Φ
	Steel	Check Valve	323001	6mm
	Steel	Sleeve	323002	6mm
	Steel	Compression Nut	323003	6mm
	Brass	Brass Washer	323004	6mm
	Steel	Plug	323008	6mm

M2500 Progressive Block

A typical M2500 progressive distributor consists of a inlet section, a end section and no less than 3 sections and no more than 10 sections. A progressive distributor can have 3 to 20 outlets. Twice outlet section (Add “T” after section specification means twice outlet section) have two outlets at both side of the section. Single outlet section (Add “S” after section specification means single outlet section) have a outlet at one side of the section. Please pay attention that you can block any out otherwise the progressive distributor can not work.

Technical data

Max work pressure：25Mpa

Delivery: 0.08ml/cyc ～ 1.28ml/cyc

Lubricant viscosity (under standard temperature): oil≥N68,grease:NLGI 000#～2#

Work temperature: -20℃～+60℃

Max work frequency (with stem):60cyc/min

Max work frequency (without stem):200cyc/min

Manifold number: 3～10

Outlet: Φ6mm length: 1.2～3.5m　Φ8mm length1.5～4.5m

M2500 Valve Size

Valve Size	Discharge per Hole（mL/cyc）		Max Pressure （MPa）	Min Working Pressure （MPa）	P.N.	
	Twin	Single			Twin outlet	Single
05	0.08	0.16	25	1.4	22500-05T	22500-05S
10	0.16	0.32			22500-10T	22500-10S
15	0.24	0.48			22500-15T	22500-15S
20	0.32	0.64			22500-20T	22500-20S
25	0.41	0.82			22500-25T	22500-25S
30	0.49	0.98			22500-30T	22500-30S
35	0.57	1.14			22500-35T	22500-35S
40	0.64	1.28			22500-40T	22500-40S

Note:

1.Only the valve size up to 20 can install the indicator

2. User shall specify changed inlet/outlet diameter, when ordering;

3. Never block outlet of a distributor so as to avoid over pressure damage to the distributor;

4. In order to keep veracity of assembly, please machine reserve two fixed holes of the inlet section(or end section) on the machine. Because progressive divider valve the distance between the fixed holes will changed within a little range. Machining two holes per the progressive divider valve actual dimension when fixing the progressive divider valve.

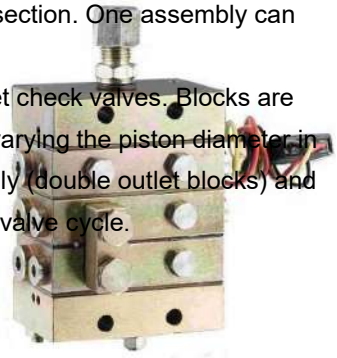
M2500 Dimension

Number Of Working Slice	M (mm)	L (mm)	Number Of Working	M	L (mm)
3	91	122	7	185	215
4	114	145	8	208	239
5	138	169	9	231	262
6	161	192	10	255	285

DJF1000 Series Distributors

The DJF1000 Series distributors distribute and proportion incoming oil or grease to bearing points. A typical DJF1000 distributor consists of an inlet section, three to nine valves and an end section. One assembly can serve up to a maximum of 18 lubrication points.

The DJF1000 Series distributors have a sliding discharge piston and built-in outlet check valves. Blocks are offered in three output sizes. The discharge capacity of a block is determined by varying the piston diameter in the valve block. Valve blocks have two outlets located at each end of the assembly (double outlet blocks) and supply rated discharge outputs from each of the two outlets during one complete valve cycle.



Technical data

Max work pressure：16MPa

Delivery：0.08ml/cyc ～ 0.48ml/cyc

Lubricant viscosity (under standard temperature):

oil≥N68;grease:NLGI 000#～2#

Work temperature:-20℃～+60℃

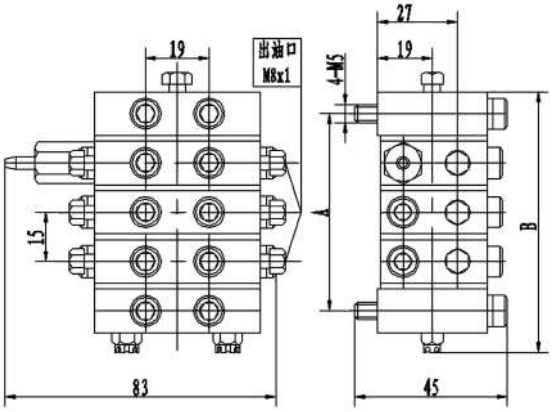
Max work frequency (with stem):60cyc/min

Max work frequency (without stem):200cyc/min

Manifold number:3～8

Tubing: Outlet: Φ4mm length: 0.5～2.5m

Inlet: Φ6mm length:1.2～3.5m



DJF-1000 Dimension

Number Of Working	A (mm)	B (mm)	Number Of Working	A (mm)	B (mm)
3	59.3	80.0	6	104.6	125.0
4	74.7	95.0	7	119.6	141.0
5	89.5	110.0	8	134.7	156.0

DJF1000 Parameter

NO	Valve Size	Discharge mL/Cyc	P.N.	Max Pressure MPa	Min Pressure MPa	Inlet Screw	Inlet Pipe	Outlet screw	Outlet pipe	Outlet per Slice
1	1000-0	0.08	20710-0	16	1.4	M10×1	Φ6	M8×1	Φ4	2
	1000-0	0.16	20710-0							1
2	1000-1	0.16	20710-1							2
	1000-1	0.32	20710-1							1
3	1000-1	0.24	20710-1							2
	1000-1	0.48	20710-1							1
4	1000-2	0.32	20710-2							2
	1000-2	0.64	20710-2							1

Note:

1. Cycle indicator can be mounted on 1.5T or 1.5S sections;
2. User shall specify changed inlet/outlet diameter, when ordering;
3. Never block outlet of a distributor so as to avoid over pressure damage to the distributor;
4. Smallest segments group shall have 3 sections; largest segments group shall have 8 sections.

DJF2000 series distributors

DJF2000 series distributors suit for high ambient temperature. With manual lubricator, motorized lubricator and pneumatic lubricator can form single line lubrication system. Widely be used in large machine tool and harbor machines. A typical DJF2000 distributor consist of a inlet section, a end section and no less than 3 sections and no more than 10 sections. A distributor can have 3 to 20 outlets. Twice outlet section (Add “T” after section specification means twice outlet section) have two outlets at both side of the section. Single outlet section (Add “S” after section specification means single outlet section) have an outlet at one side of the section. Please pay attention that you can block any out otherwise the progressive distributor can not work.

Technical

Max work pressure：25MPa

Delivery：0.16ml/cyc ～ 1.12ml/cyc

Lubricant viscosity (under standard temperature) : oil ≥ N68, grease: NLGI 000#～2#

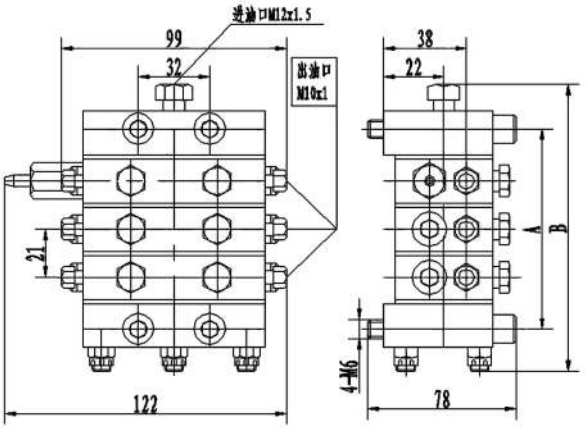
Work temperature: -20℃～+60℃

Manifold number: 3～10

Tubing: Outlet: Φ6mm length: 1.2～3.5m

Inlet: Φ8mm length:1.5～4.5m

Manifold Material: carbon steel



DJF-2000 Dimension

Number Of Working Slice	A (mm)	B (mm)	Number Of Working	A (mm)	B (mm)
3	89.4	143.0	7	171.8	223.0
4	110.0	163.0	8	192.4	244.0
5	130.6	183.0	9	213.0	264.0
6	151.2	203.0	10	233.6	284.0

DJF-2000 Specification

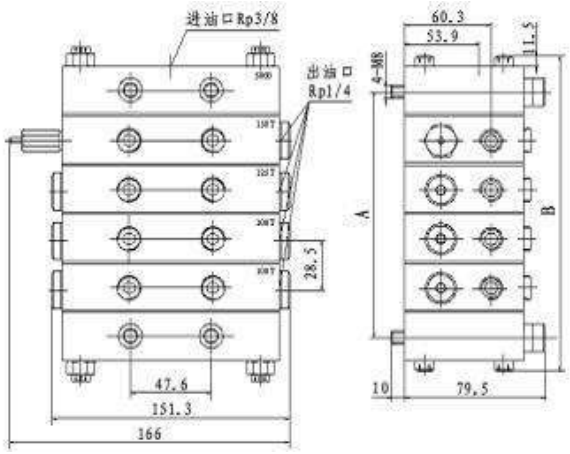
No	Valve Size	Discharge ml/cyc	P.N.	Max Pressure MPa	Min Working Pressure MPa	Inlet Screw	Inlet Pipe	Outlet Screw	Outlet Pipe	Outlet per Slice
1	2000-10T	0.16	20720-10T	25	1.4	M12×1.5	Φ8	M10×1	Φ6	2
	2000-10S	0.32	20720-10							1
2	2000-15T	0.24	20720-15T							2
	2000-15S	0.48	20720-15							1
3	2000-20T	0.32	20720-20T							2
	2000-20S	0.64	20720-20							1
4	2000-25T	0.40	20720-25T							2
	2000-25S	0.80	20720-25							1
5	2000-30T	0.48	20720-30T							2
	2000-30S	0.96	20720-30							1
6	2000-35T	0.56	20720-35T							2
	2000-35S	1.12	20720-35							1

Notes:

1. Cycle indicator can be mounted on 20T or 20S sections;
2. User shall specify changed inlet/outlet diameter. when ordering;
3. Never block outlet of a distributor so as to avoid over pressure damage to the distributor;
4. See "Accessories of distributors---crossing port" for crossing port selection;
5. Smallest segments group shall have 3 sections; largest segments group shall have 10 sections.

DJF3000 series distributors

DJF3000 series distributors suit for high ambient temperature. With manual lubricator, motorized lubricator and pneumatic lubricator can form single line lubrication system. Widely be used in large machine tool and harbor machines. A typical DJF3000 distributor consist of a inlet section, a end section and no less than 3 sections and no more than 10 sections. A distributor can have 3 to 20 outlets. Twice outlet section (Add “T” after section specification means twice outlet section) have two outlets at both side of the section. Single outlet section (Add “S” after section specification means single outlet section) have an outlet at one side of the section. Please pay attention that you can block any out otherwise the progressive distributor can not work.



DJF-3000 Dimension

Technical

Max work pressure：25MPa

Delivery： 0.4ml/cyc ～ 4.8ml/cyc

Lubricant viscosity (under standard temperature) :

oil ≥ N68, grease: NLGI 000#～2#

Work temperature: -20℃～+60℃

Manifold number: 3～10

Tubing: Outlet: Φ8mm length: 1.5～4.5m

Inlet: Φ10mm length:1.8～5.5m

Manifold Material: carbon steel

Number Of Working Slice	A (mm)	B (mm)
3	128.6	167.9
4	157.1	196.5
5	185.7	225
6	214.3	253.6
7	242.9	282.2
8	271.4	310.8
9	300	339.9
10	328.6	367.9

DJF-3000 Specification

No	Valve Size	Discharge ml/cyc	P.N.	Max Pressure MPa	Min Working Pressure MPa	Inlet Screw	Inlet Pipe	Outlet Screw	Outlet Pipe	Outlet per Slice
1	3000-25T	0.40	20730-25T	25	1.4	Rp3/8	Φ10	Rp1/4	Φ8	2
	3000-25S	0.80	20730-25S							1
2	3000-50T	0.80	20730-50T							2
	3000-50S	1.60	20730-50S							1
3	3000-75T	1.20	20730-75T							2
	3000-75S	2.40	20730-75S							1
4	3000-100T	1.60	20730-100							2
	3000-100S	3.20	20730-100							1
5	3000-125T	2.00	20730-125							2
	3000-125S	4.00	20730-125							1
6	3000-150T	2.40	20730-150							2
	3000-150S	4.80	20730-150							1

Notes: 1. Cycle indicator can be mounted on 50T or 50S sections;

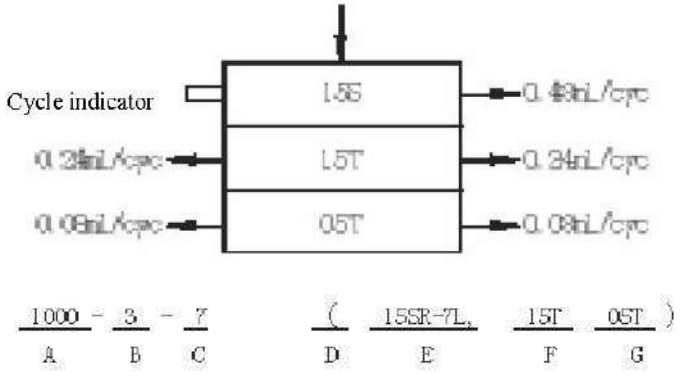
2. User shall specify changed inlet/outlet diameter. when ordering;

3. Never block outlet of a distributor so as to avoid over pressure damage to the distributor;

4. See "Accessories of distributors---crossing port" for crossing port selection

How to order DJF1000 and DJF2000 and DJF3000 and M2500 series distributors

Example 1: Sketch of DJF-1000 distributor ordering



A: Indicate the type: DJF-1000;

B: indicates number of sections (3 in this case)

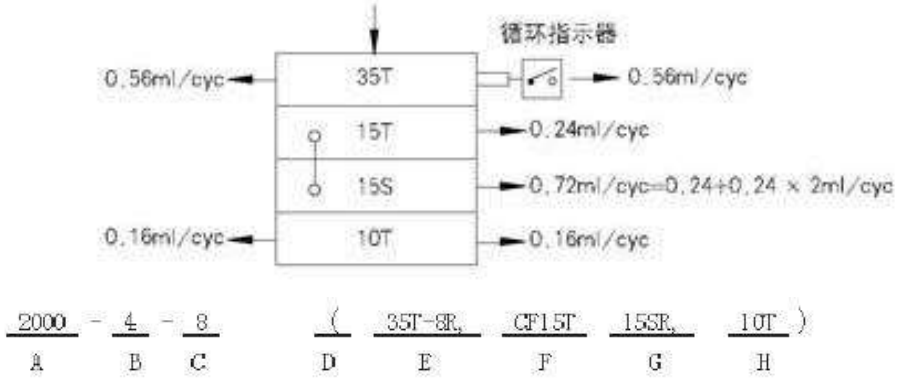
C: indicates cycle indicator (7 for mechanic indicator pin,8 for electric micro-switch type cycle indicator)

D: contents in parenthesis indicates sizes of discs after the first section listed according to their sequence

E. Size of first sections in the sequence is 15.S indicates single outlet and R shows outlet to right (and L for left). 7L indicates mechanic pin type cycle indicator installed in left (and R for right).

F. Size of second section in the sequence is 15. T indicates twin outlet.

Example 2: Sketch of DJF-2000 distributor ordering



A: Indicate the type: DJF-2000;

B: indicates number of sections (4 in this case)

C: indicates cycle indicator 8: micro switch type cycle indicator

D: contents in parenthesis indicates sizes of sections after the first sections listed according to their sequence

E. Size of first sections in the sequence is 35.T indicates twin outlet and 8R shows that series 8 indicators is at the right end face of the sections.

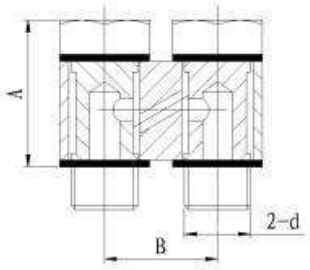
F. Size of second sections in the sequence is 1front left side of the sections. CF placed before size 15 shows that the crossport is on the left side; if it is placed after size 15, the crossport will be on the right side.

G. Size of third sections in the sequence is 15. SR indicates s

H. Size of the 4th sections is 10. T indicates twin outlet.

Crossport

P.N.	Description	A (mm)	B (mm)	2-d
32265-1	1000 cross port kit	19	15	2-G1/8
32265-2	2000 cross port kit	22	21	2-M8
32265-3	2500 cross port kit	22	21	2-M8

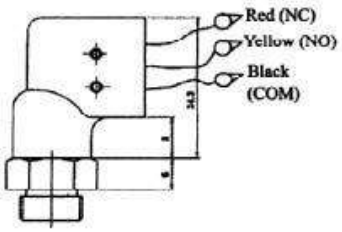


Electro-mechanical switch

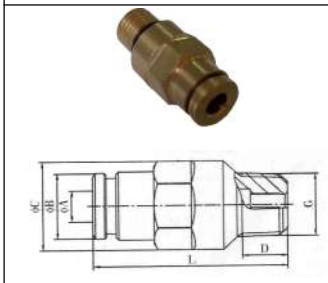
The electro-mechanical switch is a device to monitor flow of lubricant in the system. It makes use of the reciprocal movement of indicator pin on the piston of progressive distributor to enable opening or closing of the electro-mechanical switch inside the cycle indicator, so as to send electric signals to host control system. Once an abnormity occurs in the lubrication system, the host control system will be able to send alarm or stop the operation of the host to facilitate timely maintenance.

Electrical data of electrical-mechanical

Contact capacity: 250VAC 1A
125VAC 3A

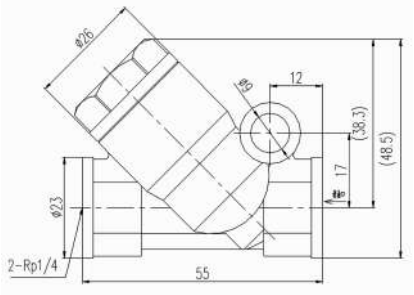


High pressure quick plug

Figure	P.N.	Diameter(ϕA)	Thread （G）	D	Pressure (MPa)
	31000	4	M8×1	6	20
	31001	4	M10×1	6	
	31002	4	R1/8	6	
	31003	6	M8×1	6	
	31004	6	M10×1	6	
	31005	6	R1/8	6	

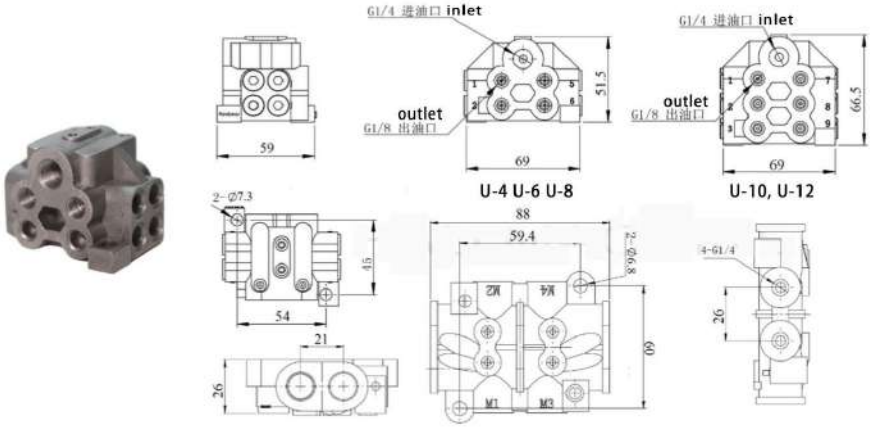
ELS Grease Filter

ELS grease filters effectively remove grease impurities to ensure clean grease in lubrication systems. They have not clogging function. e. Therefore, they are widely used in grease lubrication systems.



Mode	ELS
P.N.	20801
Working Pressure	25MPa
Filter	150μm
Weight	210g

U series distributors



P.N.	Description	Discharge	Max Pressure	Max cycle rate	Working Temperature	Grease Number
37801-1	4 outlets	0.3ml/cyc	15Mpa	200cyc/min Or 60cyc/min (with indicator)	20 degree to 60 degree	Oil > #68 or NLGI #000-#2
37801-2	6 outlets					
37801-3	8 outlets					
37801-4	10 outlets					
37801-6	12 outlets					

Note: 4mm hose-----0.5-2.5M in length

6mm hose-----1.2-3.5M in length

Option: Indiator Pin or the micro-switch can be chose.