Equipment

List of equipment

Simple configuration and design for long life

	Classification	Type	Piping system	Discharging quantity (cm³/stroke)	Tank capacity (ℓ)	Maximum working pressure (MPa)	Remarks	Page
Manually operated grease pump	FB−4 type	FB−4A	End type	7	2	10	Application When lubricating frequency is relatively low FB−4A, 6A, 80 or below FB−42A, 62A, 50 or below	14 15
		FB−42A		3.5		21		
	FB−6 type	FB−6A		7	5	10		
		FB−62A		3.5		21		

	Classification	Type	Piping system	Discharging quantity(cm³/min) 1500min⁻¹ 50Hz	Discharging quantity(cm³/min) 1800min⁻¹ 60Hz	Tank capacity (ℓ)	Rated pressure (MPa)	Electric motor (kW／4P)	Lubricaion design	Page
Motor driven grease pump	UE−04 type	UE−04AN	Lance type	21	25	4	14	0.04	50 or below when electric system is desirable rather than manual system	16
	UE−108 type	UE−108AL	Loop type	30	36	8	21	0.1	Number of lubricating points 100 or below	18
		UE−108AN	Lance type							
	UE−225 type	UE−225AL	Loop type	64	76	25		0.2	Lubricating frequency is high, with lubricating points 200 or below in number	18
		UE−225AN	Lance type							
	U−25 type	U−25AL	Loop type	60	72	25		0.4		20
		U−25AE	End type							
		U−25AN	Lance type							
	U−30 type	U−30AL	Loop type	120	144	35		0.4 (2P)	Lubricating frequency is high, with lubricating points 300 or below in number	22
		U−30AE	End type							
		U−30AN	Lance type							
	U−40 type	U−40AL	Loop type	195	234	35		0.75	Lubricating frequency is high, with lubricating points 600 or below in number	23
		U−40AE	End type							
		U−40AN	Lance type							
	U−45 type	U−45AL	Loop type	390	468	90		1.2 (2P)	Lubricating frequency is high, with lubricating points 800 or below in number	24
		U−45AE	End type							
		U−45AN	Lance type							
	U−5 type	U−5AL	Loop type	585	702	90		1.5	Lubricating frequency is high, with lubricating points 2000 or below in number	25
		U−5AE	End type							

	Classification	Type	Combination of applications		Standard pressure setting (MPa)	Pressure adjusting range (MPa)	Remarks
Hydraulic reversing valve	LRV type	LRV−6	Loop type	Incorporated to UE−108AL and UE−225AL	5	3 to 12	Controls line switching and return pressure of loop system.
		LRV−7	Lance type	Incorporated to UE−108AL and UE−225AL	21	12 to 21	Controls line switching and discharge pressure of lance system.
		LRV−7−W	Lance type	UE−04AN	14	8 to 14	
		LRV−36A	Loop type	Incorporated to U−5AL	5	3 to 12	Controls line switching and return pressure of loop system.

	Classification	Type	Combination of applications		Standard pressure setting (MPa)	Pressure adjusting range (MPa)	Remarks
Solenoid operated (hydraulic) valve	HV type	HV03	Loop type	Incorporated to U−25AL, E, N and U−30AL, E, N and U−40AL, E, N and U−45AL, E, N	5	3 to 21	Line switching of loop system, and detection of return pressure by pressure switch
			End type		4	3 to 6	Line switching of end system, and detection of pressure at the end of main line by pressure control valve
			Lance type		17	3 to 21	Line switching of lance system, and detection of discharge pressure by pressure switch for controlling pressure
	SV type	SV32MK	End type	Incorporated to U−5AE	4	3 to 6	Line switching of end system, and detection of pressure at the end of main line by pressure control valve

	Classification	Type	Combination of applications	Preset pressure (MPa)	Pressure adjusting range (MPa)	Maximum working pressure (MPa)	Remarks	Page
Pressure switch	SP type	SP−R	Incorporated to loop type and lance type pump	Loop type 5 Lance type 17	3 to 21	21	Controls the system pressure of loop type and lance type piping.	27

	Classification	Type	Combination of applications	Preset pressure (MPa)	Pressure adjusting range (MPa)	Maximum working pressure (MPa)	Remarks	Page
Pressure control valve	PV type	PV−2E	Installed on the end of end type piping	4	3 to 6	21	Controls the system pressure of end type piping	26

	Classification	Type	Discharging quantity (cm^3/stroke) Maximum	Discharging quantity (cm^3/stroke) Minimum	Number of port	Maximum working pressure (MPa)	Remarks	Page
Distributing valve	DV type	DV−31～34H	1.2	0.2	1 to 4	21	● Parallel operation type distributing valve ● DV-62H type includes DV-62-IH type collecting two discharging ports into one port (discharging amount 28cm^3/stroke).	28
		DV−41～44H	2.5	0.6	1 to 4			
		DV−51～54H	5.0	1.2	1 to 4			
		DV−61～62H	14.0	3.0	1 to 2			
	DW type	DW−22H −24H −26H −28H	0.6	0.15	2 4 6 8	21	● Parallel operation type distributing valve ● It is double discharging type (2 ports/element) with reference to DV type, and distributing valves can be reduced in number. ● Installation dimension of distributing valve iscommon, which makes easy the change of distributing valve. (Except for DW-20 type) ● Odd number of ports is attained by cross port function.	30
		DW−32H −34H −36H −38H	1.2	0.2	2 4 6 8			
		DW−42H −44H −46H −48H	2.5	0.6	2 4 6 8			
		DW−52H −54H −56H −58H	5.0	1.2	2 4 6 8			
	LV−100 type	LV−106C−10	0.16 per port		6	21	● Progressive type distributing valve ● Maximum 8 points can be lubricated from one distributing valve. ● Use of collective attachment enables doubling the discharging amount.	32
		LV−108C−10			8			

	Classification	Type	Discharging quantity (cm^3/stroke) Maximum	Discharging quantity (cm^3/stroke) Minimum	Number of port	Maximum working pressure (MPa)	Remarks	Page
Grease gun distributing valve	GW	GW−54H	5.0	1.2	4	21	● Odd number of ports is attained by cross port function.	34
		GW−58H			8			

	Classification	Type	Designation	Discharging quantity (ℓ/min) 1500min⁻¹ 50HZ	Discharging quantity (ℓ/min) 1800min⁻¹ 60HZ	Electric motor (kW) 4P	Discharging pressure (MPa)	Remarks		Page
Grease filling pump	PF type	PF−1−10	Filler pack	40 cm^3/stroke		—	2	Manually operated	16 kg (for pail can of 18ℓ) 18 kg (for pail can of 20ℓ)	38
		PF−3							30ℓ (Pail can of 18 kg, square drum can of 16 kg can be inserted.)	
	GT type	GT−1	Transfer pump	130 cm^3/stroke		—	1.5	Manually operated	180kg(For drum can of 200ℓ)	
	BA type	BA−2	Barrel pump	1.17	1.40	0.4	3	Motor driven	For drum can of 200ℓ	39

	Classification	Type	Maximum working pressure (MPa)	Minimum required amount (cm^3)	Minimum operating pressure (MPa)	Air consumption	Page
Spray nozzle	BSV	BSV−12	Lubricant 5 Air 0.5	1.5	1.5	380Nℓ/min	36
		BSV−3		—	—	120Nℓ/min	