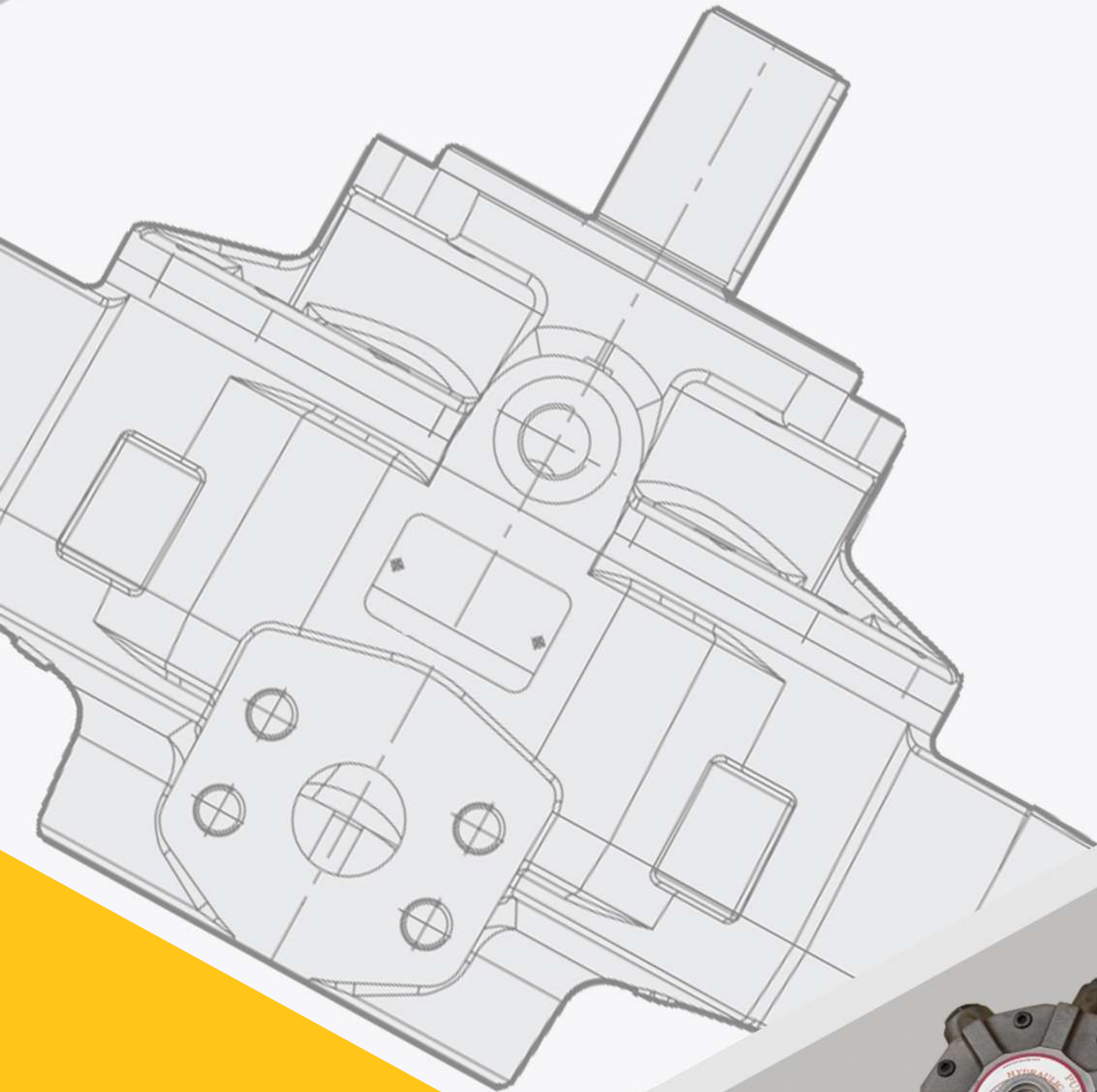




SEA WIDE

Hydraulic Pump



WWW.SEA WIDE.AE



WE ARE HYDRAULIC PUMP SUPPLIER

Are?

Having strong relationship with Italian manufacturers and we are able to supply high quality pump with competitive prices. Our pumps designed in Germany and fabricated in Italian factories.

We

Importance of supply chain, handling and selling high quality pumps, excellent relationship with hydraulic pump manufacturer in Italy, together with an extensive product knowledge and furthermore the commitment to quality and service.

Who

SeaWide Co. LLC. is an independent supplier of HYDRAULIC Pumps for

- Marine
- Offshore
- Oil and Gas
- Road Construction
- Power Plant
- Railway
- Industry

Design:

The radial piston pumps are valve-controlled with cylinders in a radial arrangement. The cylinder radials, arranged in one, two or more superimposed layers (rows), are driven by bearings fitted eccentrically on the drive shaft (piston pressure stroke), and reset by springs (piston suction stroke).

The flow rates of the individual cylinders are brought together in collecting plates feeding a joint pressure connection. The housing shells are load-bearing elements supporting the cylinders and shaft bearings.

The pumps are largely statically and dynamically balanced, resulting in smooth running.

With the exception of the 1 and 2-cylinder pumps, an uneven number of pistons is used per cylinder radial, so that the pulsation of the flow rate is minimised from three cylinders upwards.



Where reliability is essential,
Seawide is your service partner

OUR HYDRAULIC PISTON PUMPS



3 CYLINDER RADIAL PUMP

Pressure: 400 to 800 BAR
Capacity: 0.7 to 17 Liter
Drive Power: 0.8 to 8.6 KW
Revolution: Max. 1450 RPM



5 CYLINDER RADIAL PUMP

Pressure: 350 to 500 BAR
Capacity: 10 to 48 Liter
Drive Power: 9 to 32 KW
Revolution: Max. 1450 RPM



7 CYLINDER RADIAL PUMP

Pressure: 250 to 450 BAR
Capacity: 0.7 to 17 Liter
Drive Power: 21 to 87 KW
Revolution: Max. 1450 RPM



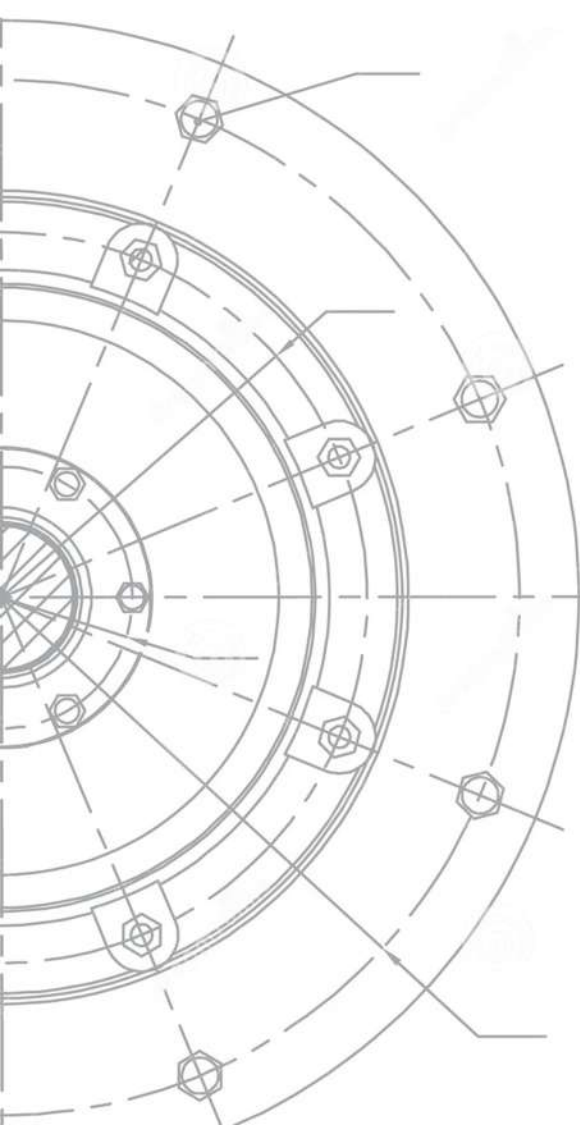
DOUBLE RADIAL PUMP

Pressure: 250 to 800 BAR
Capacity: 1.5 to 87 Liter
Drive Power: 2.3 to 47 KW
Revolution: Max. 1450 RPM



AXIAL PISTON PUMP

Pressure: 250 to 300 BAR
Capacity: 32 to 79 Liter
Drive Power: 18 to 38 KW
Revolution: Max. 1450 RPM





HYDRAULIC PISTON PUMPS

3 CYLINDER RADIAL PUMP (SMALL PISTON)

Pressure: 400 to 800 BAR

Drive: Via Flexible Coupling

Flow Rate: 0.7 to 7.5 Liter

Rotation direction: Any

Drive Power: 0.8 to 8.6 KW

Revolution: Max. 1450 RPM

Design:

The radial piston pumps are valve-controlled with cylinders in a radial arrangement. The cylinder radials, arranged in one, two or more superimposed layers (rows), are driven by bearings fitted eccentrically on the drive shaft (piston pressure stroke), and reset by springs (piston suction stroke). The flow rates of the individual cylinders are brought together in collecting plates feeding a joint pressure connection. The housing shells are load-bearing elements supporting the cylinders and shaft bearings. The pumps are largely statically and dynamically balanced, resulting in smooth running. With the exception of the 1 and 2-cylinder pumps, an uneven number of pistons is used per cylinder radial, so that the pulsation of the flow rate is minimised from three cylinders upwards.

Delivery Flow Technical Information

Pump Type	Volume Vg (CM ³ /Rev.)	Pressure (BAR)	Delivery Flow (L/Min)	Revolution (RPM)	Drive Power (KW)	Num. of Cylinder	Liquide Type
SW 7	0.5	600	0.7	1450	0.8	3	Hydraulic
SW 15	1.08	800	1.5	1450	2.3	3	Hydraulic
SW 25	1.8	600	2.5	1450	2.8	3	Hydraulic
SW 50	3.6	600	5.0	1450	5.7	3	Hydraulic
SW 75	5.4	600	7.5	1450	8.6	3	Hydraulic

Hydraulic fluid:

According to DIN 51 524 Parts 1 to 3; ISO VG 10 to 68 according to DIN ISO 3448

Optimal operating range: approx. 10 - 500 mm²/s

Viscosity range: 4 - 1500 mm²/s

Also suitable for biologically degradable hydraulic fluids type HEPG (polyalkylene glycol) and HEES (synthetic ester) at operating temperatures up to approx. +70°C.

Temperatures:

Environment: approx. -40 to +80 °C,

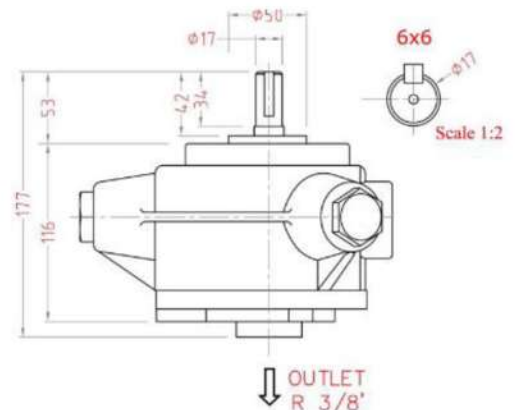
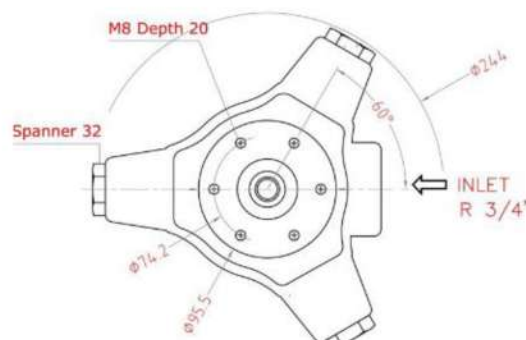
Hydraulic fluid: -25 to +80 °C, pay attention to the viscosity range.

Start temperature: down to -40°C is permissible (observe start viscosities) as long as the steady-state temperature is at least 20K higher during subsequent operation.

Biologically degradable hydraulic fluids: note manufacturer specifications. With consideration for the seal compatibility, not above +70°C.

Dimension Information

Pump Type	Outer Dia. (mm)	Length (mm)	Shaft Length (mm)	Shaft Key (mm)	Shaft Size (mm)	Piston Material	Weight (KG)
SW 7	244	177	34	6x6	17	Alu./Brass	12.6
SW 15	244	177	34	6x6	17	Alu./Brass	12.6
SW 25	244	177	34	6x6	17	Alu./Brass	12.6
SW 50	244	177	34	6x6	17	Alu./Brass	12.6
SW 75	244	177	34	6x6	17	Alu./Brass	12.6





HYDRAULIC PISTON PUMPS

3 CYLINDER RADIAL PUMP (LARGE PISTON)

Pressure: 400 BAR

Drive: Via Flexible Coupling

Flow Rate: 10 to 21 Liter

Rotation direction: Any

Drive Power: 7.5 to 16 KW

Revolution: Max. 1450 RPM

Design:

The radial piston pumps are valve-controlled with cylinders in a radial arrangement. The cylinder radials, arranged in one, two or more superimposed layers (rows), are driven by bearings fitted eccentrically on the drive shaft (piston pressure stroke), and reset by springs (piston suction stroke). The flow rates of the individual cylinders are brought together in collecting plates feeding a joint pressure connection. The housing shells are load-bearing elements supporting the cylinders and shaft bearings. The pumps are largely statically and dynamically balanced, resulting in smooth running. With the exception of the 1 and 2-cylinder pumps, an uneven number of pistons is used per cylinder radial, so that the pulsation of the flow rate is minimised from three cylinders upwards.

Delivery Flow Technical Information

Pump Type	Volume Vg (CM ³ /Rev.)	Pressure (BAR)	Delivery Flow (L/Min)	Revolution (RPM)	Drive Power (KW)	Num. of Cylinder	Liquide Type
SW 305	6.89	400	10	1450	7.5	3	Hydraulic
SW 308	11.72	400	17	1450	13	3	Hydraulic
SW 310	14.48	400	21	1450	16	3	Hydraulic

Hydraulic fluid:

According to DIN 51 524 Parts 1 to 3; ISO VG 10 to 68 according to DIN ISO 3448

Optimal operating range: approx. 10 - 500 mm²/s

Viscosity range: 4 - 1500 mm²/s

Also suitable for biologically degradable hydraulic fluids type HEPG (polyalkylene glycol) and HEES (synthetic ester) at operating temperatures up to approx. +70°C.

Temperatures:

Environment: approx. -45 to +85 °C,

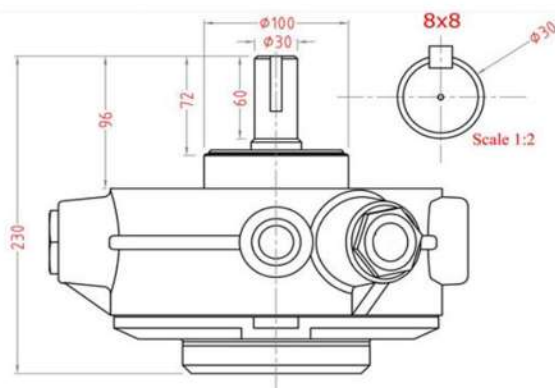
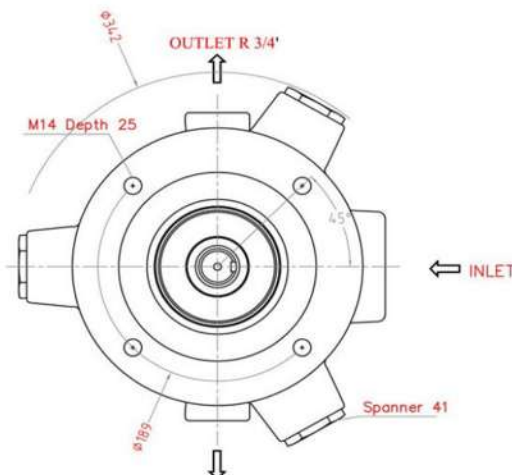
Hydraulic fluid: -25 to +80 °C, pay attention to the viscosity range.

Start temperature: down to -40°C is permissible (observe start viscosities) as long as the steady-state temperature is at least 20K higher during subsequent operation.

Biologically degradable hydraulic fluids: note manufacturer specifications. With consideration for the seal compatibility, not above +70°C.

Dimension Information

Pump Type	Outer Dia. (mm)	Length (mm)	Shaft Length (mm)	Shaft Key (mm)	Shaft Size (mm)	Piston Material	Weight (KG)
SW 305	342	230	60	8x8	30	Alu. /Brass	35
SW 308	342	230	60	8x8	30	Alu. /Brass	35
SW 310	342	230	60	8x8	30	Alu. /Brass	35





HYDRAULIC PISTON PUMPS

5 CYLINDER RADIAL PUMP (SMALL PISTON)

Pressure: 450 to 500 BAR

Drive: Via Flexible Coupling

Flow Rate: 10 to 16 Liter

Rotation direction: Any

Drive Power: 9 to 14 KW

Revolution: Max. 1450 RPM

Design:

The radial piston pumps are valve-controlled with cylinders in a radial arrangement. The cylinder radials, arranged in one, two or more superimposed layers (rows), are driven by bearings fitted eccentrically on the drive shaft (piston pressure stroke), and reset by springs (piston suction stroke). The flow rates of the individual cylinders are brought together in collecting plates feeding a joint pressure connection. The housing shells are load-bearing elements supporting the cylinders and shaft bearings. The pumps are largely statically and dynamically balanced, resulting in smooth running. With the exception of the 1 and 2-cylinder pumps, an uneven number of pistons is used per cylinder radial, so that the pulsation of the flow rate is minimised from three cylinders upwards.

Delivery Flow Technical Information

Pump Type	Volume Vg (CM ³ /Rev.)	Pressure (BAR)	Delivery Flow (L/Min)	Revolution (RPM)	Drive Power (KW)	Num. of Cylinder	Liquide Type
SW 100	7.0	500	10	1450	9	5	Hydraulic
SW 130	9.0	500	13	1450	12	5	Hydraulic
SW 160	11.0	450	16	1450	14	5	Hydraulic

Hydraulic fluid:

According to DIN 51 524 Parts 1 to 3; ISO VG 10 to 68 according to DIN ISO 3448

Optimal operating range: approx. 10 - 500 mm²/s

Viscosity range: 4 - 1500 mm²/s

Also suitable for biologically degradable hydraulic fluids type HEPG (polyalkylene glycol) and HEES (synthetic ester) at operating temperatures up to approx. +70°C.

Temperatures:

Environment: approx. -40 to +80 °C,

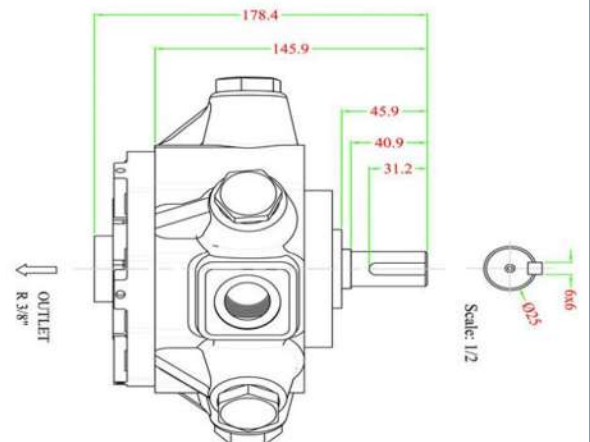
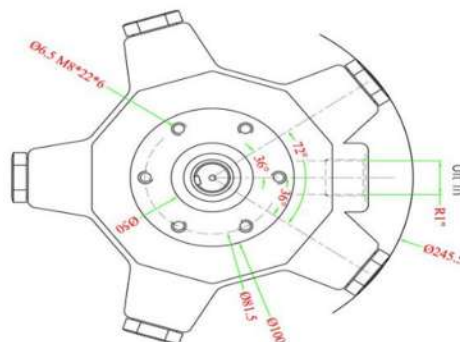
Hydraulic fluid: -25 to +80 °C, pay attention to the viscosity range.

Start temperature: down to -40°C is permissible (observe start viscosities) as long as the steady-state temperature is at least 20K higher during subsequent operation.

Biologically degradable hydraulic fluids: note manufacturer specifications. With consideration for the seal compatibility, not above +70°C.

Dimension Information

Pump Type	Outer Dia. (mm)	Length (mm)	Shaft Length (mm)	Shaft Key (mm)	Shaft Size (mm)	Piston Material	Weight (KG)
SW 305	245	178	40	6x6	22	Alu. /Brass	15
SW 308	245	178	40	6x6	22	Alu. /Brass	15
SW 310	245	178	40	6x6	22	Alu. /Brass	15





HYDRAULIC PISTON PUMPS

5 CYLINDER RADIAL PUMP (LARGE PISTON)

Pressure: 350 BAR

Drive: Via Flexible Coupling

Flow Rate: 28 to 48 Liter

Rotation direction: Any

Drive Power: 18 to 32 KW

Revolution: Max. 1450 RPM

Design:

The radial piston pumps are valve-controlled with cylinders in a radial arrangement. The cylinder radials, arranged in one, two or more superimposed layers (rows), are driven by bearings fitted eccentrically on the drive shaft (piston pressure stroke), and reset by springs (piston suction stroke). The flow rates of the individual cylinders are brought together in collecting plates feeding a joint pressure connection. The housing shells are load-bearing elements supporting the cylinders and shaft bearings. The pumps are largely statically and dynamically balanced, resulting in smooth running. With the exception of the 1 and 2-cylinder pumps, an uneven number of pistons is used per cylinder radial, so that the pulsation of the flow rate is minimised from three cylinders upwards.

Delivery Flow Technical Information

Pump Type	Volume Vg (CM ³ /Rev.)	Pressure (BAR)	Delivery Flow (L/Min)	Revolution (RPM)	Drive Power (KW)	Num. of Cylinder	Liquide Type
SW 508	19.32	350	28	1450	18	5	Hydraulic
SW 510	24.14	350	35	1450	23	5	Hydraulic
SW 512	29.00	350	42	1450	28	5	Hydraulic
SW 514	33.10	350	48	1450	32	5	Hydraulic

Hydraulic fluid:

According to DIN 51 524 Parts 1 to 3; ISO VG 10 to 68 according to DIN ISO 3448

Optimal operating range: approx. 10 - 500 mm²/s

Viscosity range: 4 - 1500 mm²/s

Also suitable for biologically degradable hydraulic fluids type HEPG (polyalkylene glycol) and HEES (synthetic ester) at operating temperatures up to approx. +70°C.

Temperatures:

Environment: approx. -40 to +80 °C,

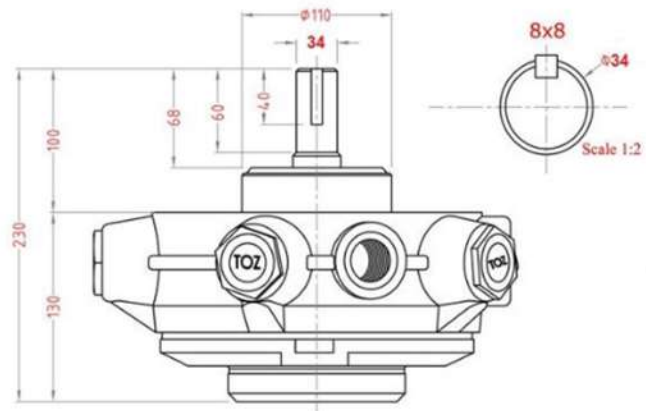
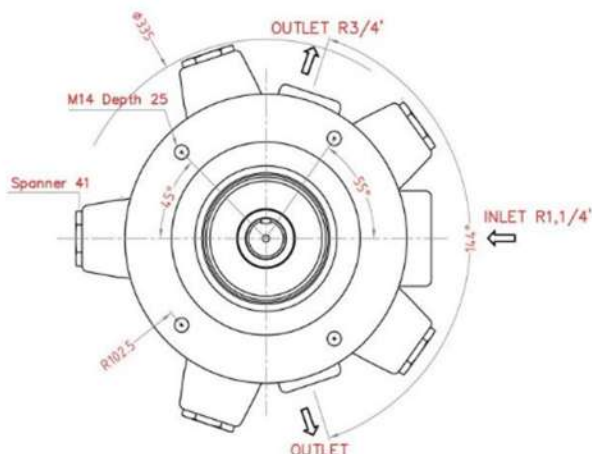
Hydraulic fluid: -25 to +80 °C, pay attention to the viscosity range.

Start temperature: down to -40°C is permissible (observe start viscosities) as long as the steady-state temperature is at least 20K higher during subsequent operation.

Biologically degradable hydraulic fluids: note manufacturer specifications. With consideration for the seal compatibility, not above +70°C.

Dimension Information

Pump Type	Outer Dia. (mm)	Length (mm)	Shaft Length (mm)	Shaft Key (mm)	Shaft Size (mm)	Piston Material	Weight (KG)
SW 305	335	230	60	8x8	34	Alu. /Brass	40
SW 308	335	230	60	8x8	34	Alu. /Brass	40
SW 310	335	230	60	8x8	34	Alu. /Brass	40
	335	230	60	8x8	34	Alu. /Brass	40





HYDRAULIC PISTON PUMPS

7 CYLINDER RADIAL PUMP (SMALL PISTON)

Pressure: 450 BAR

Drive: Via Flexible Coupling

Flow Rate: 21 to 32 Liter

Rotation direction: Any

Drive Power: 18 to 28 KW

Revolution: Max. 1450 RPM

Design:

The radial piston pumps are valve-controlled with cylinders in a radial arrangement. The cylinder radials, arranged in one, two or more superimposed layers (rows), are driven by bearings fitted eccentrically on the drive shaft (piston pressure stroke), and reset by springs (piston suction stroke). The flow rates of the individual cylinders are brought together in collecting plates feeding a joint pressure connection. The housing shells are load-bearing elements supporting the cylinders and shaft bearings. The pumps are largely statically and dynamically balanced, resulting in smooth running. With the exception of the 1 and 2-cylinder pumps, an uneven number of pistons is used per cylinder radial, so that the pulsation of the flow rate is minimised from three cylinders upwards.

Delivery Flow Technical Information

Pump Type	Volume Vg (CM ³ /Rev.)	Pressure (BAR)	Delivery Flow (L/Min)	Revolution (RPM)	Drive Power (KW)	Num. of Cylinder	Liquide Type
SW 210	14.5	350	21	1450	18	7	Hydraulic
SW 270	19.0	350	27	1450	24	7	Hydraulic
SW 320	22.2	350	32	1450	28	7	Hydraulic

Hydraulic fluid:

According to DIN 51 524 Parts 1 to 3; ISO VG 10 to 68 according to DIN ISO 3448

Optimal operating range: approx. 10 - 500 mm²/s

Viscosity range: 4 - 1500 mm²/s

Also suitable for biologically degradable hydraulic fluids type HEPG (polyalkylene glycol) and HEES (synthetic ester) at operating temperatures up to approx. +70°C.

Temperatures:

Environment: approx. -40 to +80 °C,

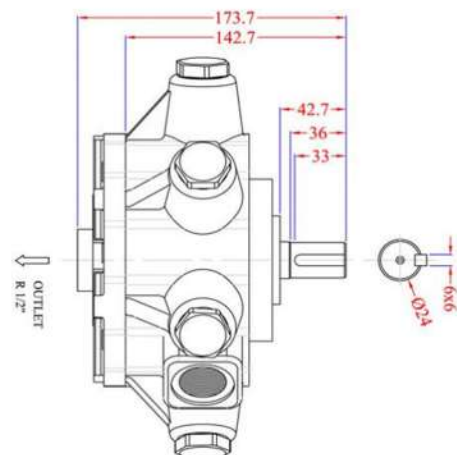
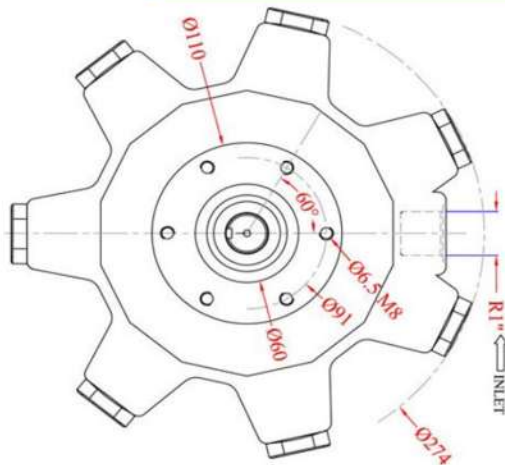
Hydraulic fluid: -25 to +80 °C, pay attention to the viscosity range.

Start temperature: down to -40°C is permissible (observe start viscosities) as long as the steady-state temperature is at least 20K higher during subsequent operation.

Biologically degradable hydraulic fluids: note manufacturer specifications. With consideration for the seal compatibility, not above +70°C.

Dimension Information

Pump Type	Outer Dia. (mm)	Length (mm)	Shaft Length (mm)	Shaft Key (mm)	Shaft Size (mm)	Piston Material	Weight (KG)
SW 210	274	174	36	6x6	24	Alu. /Brass	20
SW 270	274	174	36	6x6	24	Alu. /Brass	20
SW 320	274	174	36	6x6	24	Alu. /Brass	20





HYDRAULIC PISTON PUMPS

7 CYLINDER RADIAL PUMP (LARGE PISTON)

Pressure: 250 to 350 BAR

Flow Rate: 60 to 87 Liter

Drive Power: 40 to 47 KW

Revolution: Max. 1450 RPM

Drive: Via Flexible Coupling

Rotation direction: Any

Design:

The radial piston pumps are valve-controlled with cylinders in a radial arrangement. The cylinder radials, arranged in one, two or more superimposed layers (rows), are driven by bearings fitted eccentrically on the drive shaft (piston pressure stroke), and reset by springs (piston suction stroke). The flow rates of the individual cylinders are brought together in collecting plates feeding a joint pressure connection. The housing shells are load-bearing elements supporting the cylinders and shaft bearings. The pumps are largely statically and dynamically balanced, resulting in smooth running. With the exception of the 1 and 2-cylinder pumps, an uneven number of pistons is used per cylinder radial, so that the pulsation of the flow rate is minimised from three cylinders upwards.

Delivery Flow Technical Information

Pump Type	Volume Vg (CM ³ /Rev.)	Pressure (BAR)	Delivery Flow (L/Min)	Revolution (RPM)	Drive Power (KW)	Num. of Cylinder	Liquide Type
SW 712	41.40	350	60	1450	40	7	Hydraulic
SW 714	48.27	350	70	1450	47	7	Hydraulic
SW 714EX	60	250	87	1450	42	7	Hydraulic

Hydraulic fluid:

According to DIN 51 524 Parts 1 to 3; ISO VG 10 to 68 according to DIN ISO 3448

Optimal operating range: approx. 10 - 500 mm²/s

Viscosity range: 4 - 1500 mm²/s

Also suitable for biologically degradable hydraulic fluids type HEPG (polyalkylene glycol) and HEES (synthetic ester) at operating temperatures up to approx. +70°C.

Temperatures:

Environment: approx. -40 to +80 °C,

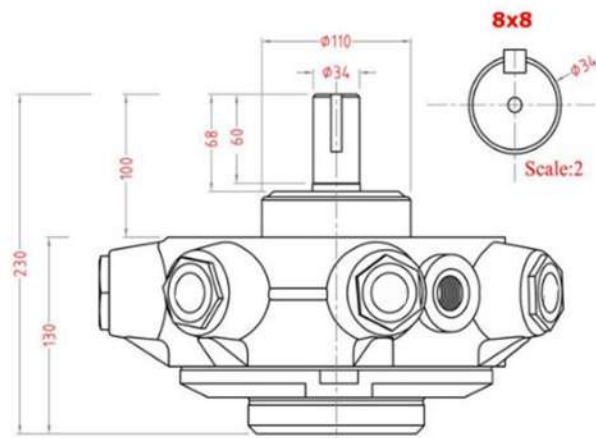
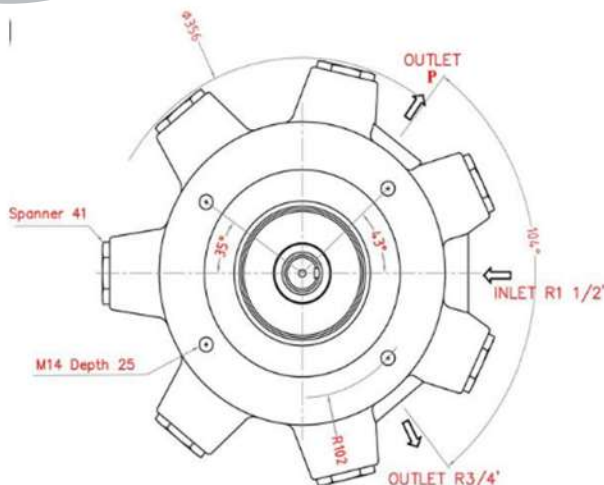
Hydraulic fluid: -25 to +80 °C, pay attention to the viscosity range.

Start temperature: down to -40°C is permissible (observe start viscosities) as long as the steady-state temperature is at least 20K higher during subsequent operation.

Biologically degradable hydraulic fluids: note manufacturer specifications. With consideration for the seal compatibility, not above +70°C.

Dimension Information

Pump Type	Outer Dia. (mm)	Length (mm)	Shaft Length (mm)	Shaft Key (mm)	Shaft Size (mm)	Piston Material	Weight (KG)
SW 712	356	230	60	8x8	34	Alu./Brass	44
SW 714	356	230	60	8x8	34	Alu./Brass	44
SW 714EX	356	230	60	8x8	34	Alu./Brass	44





HYDRAULIC PISTON PUMPS

DOUBLE RADIAL PUMP (SMALL TYPE)

Pressure: 250 to 800 BAR

Flow Rate: 1.5 to 87 Liter

Drive Power: 2.3 to 47 KW

Revolution: Max. 1450 RPM

Drive: Via Flexible Coupling

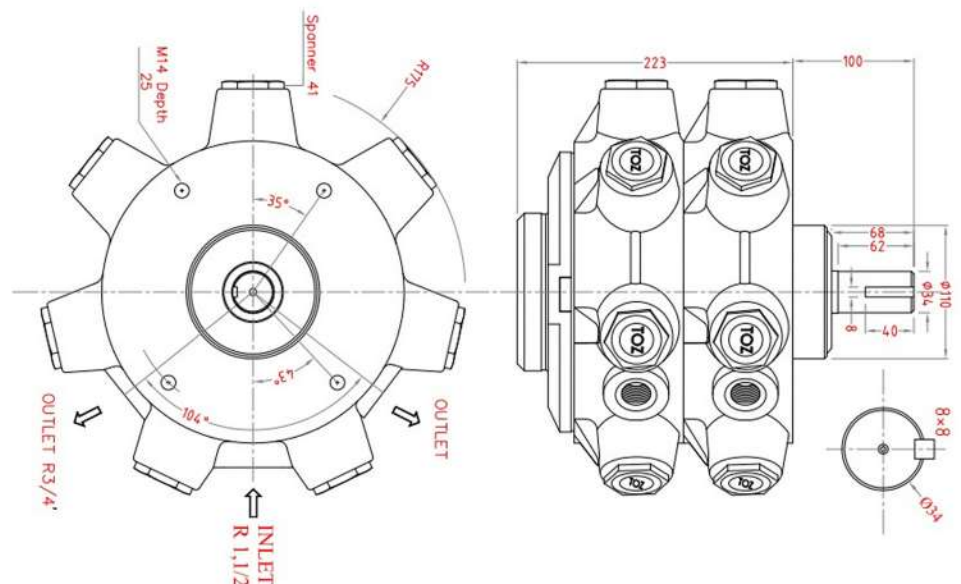
Rotation direction: Any

Design:

The radial piston pumps are valve-controlled with cylinders in a radial arrangement. The cylinder radials, arranged in one, two or more superimposed layers (rows), are driven by bearings fitted eccentrically on the drive shaft (piston pressure stroke), and reset by springs (piston suction stroke). The flow rates of the individual cylinders are brought together in collecting plates feeding a joint pressure connection. The housing shells are load-bearing elements supporting the cylinders and shaft bearings. The pumps are largely statically and dynamically balanced, resulting in smooth running. With the exception of the 1 and 2-cylinder pumps, an uneven number of pistons is used per cylinder radial, so that the pulsation of the flow rate is minimised from three cylinders upwards.

Delivery Flow Technical Information


Pump Type	Volume Vg (CM ³ /Rev.)	Pressure (BAR)	Delivery Flow (L/Min)	Revolution (RPM)	Drive Power (KW)	Shaft Size (mm)	Piston Material
SWD 15	1.08	800	1.5	1450	2.3	17	Alu./Brass
SWD 25	1.8	600	2.5	1450	2.8	17	Alu./Brass
SWD 50	3.6	600	5	1450	5.7	17	Alu./Brass
SWD 75	5.4	600	7.5	1450	8.6	17	Alu./Brass
SWD 100	7	500	10	1450	9	22	Alu./Brass
SWD 130	9	500	13	1450	12	22	Alu./Brass
SWD 160	11	450	16	1450	14	22	Alu./Brass
SWD 230	14.5	450	21	1450	18	24	Alu./Brass
SWD 270	19	450	27	1450	24	24	Alu./Brass
SWD 320	22.2	450	32	1450	28	24	Alu./Brass
SWD 305	6.89	400	10	1450	7.5	30	Alu./Brass
SWD 308	11.72	400	17	1450	13	30	Alu./Brass
SWD 310	14.48	400	21	1450	16	30	Alu./Brass
SWD 508	19.32	350	28	1450	18	30	Alu./Brass
SWD 510	24.14	350	35	1450	23	30	Alu./Brass
SWD 512	29	350	42	1450	28	30	Alu./Brass
SWD 514	33.10	350	48	1450	32	30	Alu./Brass
SWD 712	41.4	350	60	1450	40	34	Alu./Brass
SWD 714	48.27	350	70	1450	47	34	Alu./Brass
SWD 714EX	60	250	87	1450	41.8	34	Alu./Brass




Thank You!

CONTACT US

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info@seawide.ae

