

28400 Series

Hygienic Stainless Steel Pedestal Pump

Features

- Self primes from dry up to 5.0 metres
- Flows up to 200 litres per minute
- Pressure up to 4.0 bar
- Handles soft solids - max. 16mm diameter
- Certified to US 3A Standard 02-09
- Clean-In-Place (CIP) or easy strip clean
- Handles viscosities up to 50,000 centiPoise
- Minimal shear to thixotropic fluids
- Easy to service and maintain



Typical Applications

- Foods, sauces, doughs, preserves, liquid egg, meat pastes
- Dairy products, milk, cream, yoghurt, cheeses
- Cosmetics, toothpaste, shampoos, soaps
- Pharmaceutical creams & lotions
- Wines, beers, soft drinks, fruit juices & syrups
- Ingredients unloading and transfer
- Tank filling and emptying
- Recirculation and mixing
- Portion and container filling
- Brine injection
- Sampling, filtration and more

Specifications

Seal : Carbon / Ceramic mechanical face seal
Tungsten Carbide / Ceramic hard faced seal
Flushed options for crystallising fluids

Seal Elastomer : Food grade Nitrile

Pump Head : Stainless steel 316, machined interior and electropolished exterior finish

End Cover : Stainless steel 316 grade

Shaft : Stainless steel 316 grade

Bearings : Greased ball bearings

Bearing Housing : Epoxy coated cast iron

Ports :			
1½"	Tri-Clamp		28400-1xxx
38mm	IDF/ISS		28400-3xxx
1½"	RJT to BS1864		28400-4xxx
1½"	3A Bevel Seat		28400-5xxx
40mm	DIN 11851		28400-6xxx
38mm	SMS 1145		28400-7xxx

Model Range

Weight : 9.1kg

Pressure options	Medium - Max 2.5 bar		High - Max 4.0 bar	
	3A Neoprene	E.P.D.M.	3A Neoprene	E.P.D.M.
Elastomer option	3A Neoprene	E.P.D.M.	3A Neoprene	E.P.D.M.
Temperature range	4°C to 65°C	0°C to 120°C	4°C to 65°C	0°C to 120°C
Mechanical Seal Options				
Carbon/Ceramic	28400-x115	28400-x112	28400-x125	28400-x122
Tungsten Carbide/Ceramic hard faced	28400-x215		28400-x225	
Flushed Mechanical Seal				
Tungsten Carbide/Ceramic hard faced	28400-x715		28400-x725	
Carbon/Ceramic	28400-x915		28400-x925	

For models not listed above, consult distributor or factory, 'x' Substitute port code from table above

Note : it is not recommended to start the pump at extremes of the temperature range, impeller damage may occur

For Installation, Operating, Maintenance and Safety Instructions refer to form 43001-0543

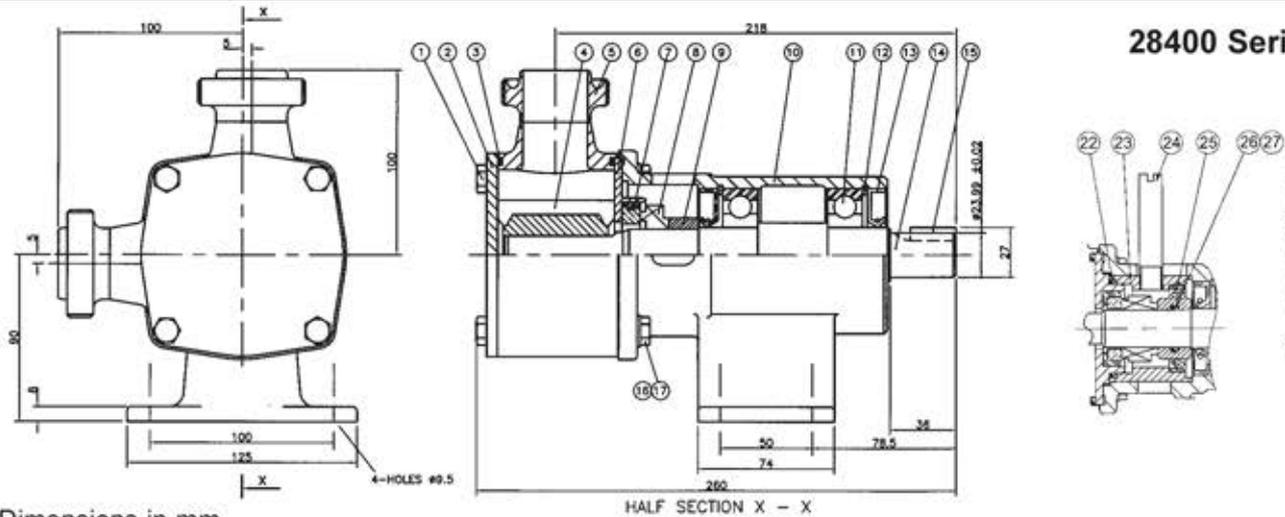
⚠ WARNING Explosion hazard. Do not pump gasoline, solvents, thinners or other flammable liquids. To do so can cause an explosion resulting in injury or death.



⚠ WARNING Injury hazard. Exposed pulleys and belts can cause injury. Install shield around pulleys and belts. Stay clear while machinery is operating.



28400 Series



Dimensions in mm

For performance data refer to the 200 size flexible impeller pump performance curves

Parts List

Key	Description	Qty	Part Number
1	Screw	4	X3001-207F
2	Endcover	1	28405-0020
3	O'Ring *	2	See right
4	Impeller*	1	See right
5	Body	1	See right
6	Wearplate	1	28436-0000
7 / 8	Seal Assembly *	1	See right
9	Seal Spacer	1	28417-0000
10	Bearing Housing	1	28403-0000
11	Bearing	2	SP2601-28
12	Retaining Ring	2	SP1701-283
13	Lip seal (Bearing Housing)	2	SP2701-0911
14	Shaft	1	28407-0000
15	Key	1	X4000-487A
16	Washer	4	X3080-101K
17	Screw	4	X3001-209F
22	O-Ring	1	X4020-261A
23	Seal Housing	1	28412-0000
24	Tube	2	21844
25	Seal	1	SP2701-0915
26	O-Ring	1	X4020-227A
27	Seal Spacer	1	28417-0001

Parts marked * Contained in service kit

Spare Parts & Service Kits

Pressure Rating		Medium	High
3	O-Ring	Nitrile X4020-399A	X4020-399A
4	Impeller	3A Neoprene 14346-0005B	8983-0005B
		E.P.D.M. 14346-0002B	8983-0002B
5	Body	Tri-Clamp 28404-1000	28404-1000
		IDF/ISS 28404-3000	28404-3000
		RJT 28404-4000	28404-4000
		Bevel Seat 28404-5000	28404-5000
		DIN 28404-6000	28404-6000
		SMS 28404-7000	28404-7000
7 / 8	Seals	Std Mech. 28431-0103B	28431-0103B
		Hard Faced 28431-0203B	28431-0203B
Service Kit		3A Neoprene SK378-0115	SK378-0125
		E.P.D.M.	

Models with Neoprene and E.P.D.M. impellers use Nitrile elastomers on seals and O-rings.
NOTE:- Service Kits contain standard mechanical seals. For hard faced seals, order parts separately.

Other Available Options

Standard head kits, for close coupling to standard IEC motors.

Jabsco

USA

Jabsco
1485 Dale Way
Costa Mesa
CA 92628-2158

Tel : +1 714 545 8251
Fax : +1 714 957 0609

UK

Jabsco
Bingley Road
Hoddesdon
Hertfordshire, EN11 0BU

Tel : +44 (0) 1992 450 145
Fax : +44 (0) 1992 467 132

GERMANY

Jabsco GmbH
Oststraße 28
22844 Norderstedt

Tel : +49 (0) 40 53 53 73 0
Fax : +49 (0) 40 53 53 73 11

28420 Series Hygienic Stainless Steel Head Kit Pump

Features

- Self primes from dry up to 5.0 metres
- Flows up to 200 litres per minute
- Pressure up to 2.5 bar†
- Handles soft solids - max. 16mm diameter
- Certified to US 3A Standard 02-10
- Easy strip clean
- Handles viscosities up to 10,000 centiPoise
- Minimal shear to thixotropic fluids
- Fits IEC standard motor B3/B14, frame 90



Typical Applications

- Foods, sauces, doughs, preserves, liquid egg, meat pastes
- Dairy products, milk, cream, yoghurt, cheeses
- Cosmetics, toothpaste, shampoos, soaps
- Pharmaceutical creams & lotions
- Wines, beers, soft drinks, fruit juices & syrups
- Ingredients unloading and transfer
- Tank filling and emptying
- Recirculation and mixing
- Portion and container filling
- Brine injection
- Sampling, filtration and more

Specifications

Seal : Carbon / Ceramic mechanical face seal
Tungsten Carbide / Ceramic hard faced seal
Flushed options for crystallising fluids

Seal Elastomer : Food grade Nitrile

Pump Head : Stainless steel 316, machined interior and electropolished exterior finish

End Cover : Stainless steel 316 grade

Shaft : Stainless steel 316 grade shaft extension

Bearings : Uses motor bearings

Motor Adaptor : Epoxy coated cast iron

Ports :			
1½"	Tri-Clamp		28420-1xxx
38mm	IDF/ISS		28420-3xxx
1½"	RJT to BS1864		28420-4xxx
1½"	3A Bevel Seat		28420-5xxx
40mm	DIN 11851		28420-6xxx
38mm	SMS 1145		28420-7xxx

Model Range

Weight : 6.6kg

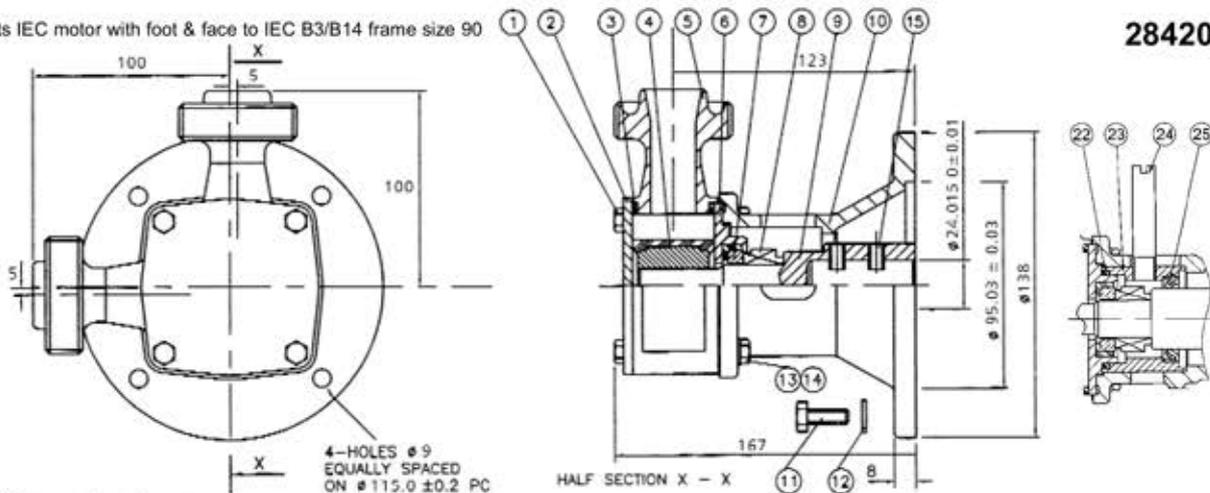
Pressure options	Medium - Max 2.5 bar†			
Elastomer option	3A Neoprene	E.P.D.M.		
Temperature range	4°C to 70°C	4°C to 100°C		
Mechanical Seal Options				
Carbon/Ceramic	28420-x115			
Tungsten Carbide/Ceramic hard faced	28420-x215			
Flushed Mechanical Seal				
Tungsten Carbide/Ceramic hard faced	28420-x715			
Carbon/Ceramic				
For models not listed above, consult distributor or factory, 'x' Substitute port code from table above				
Note : it is not recommended to start the pump at extremes of the temperature range, impeller damage may occur				
For Installation, Operating, Maintenance and Safety Instructions refer to form 43001-0543				

⚠ WARNING Explosion hazard. Do not pump gasoline, solvents, thinners or other flammable liquids. To do so can cause an explosion resulting in injury or death.

† Pressures over 1.4 bar may reduce motor shaft life

Fits IEC motor with foot & face to IEC B3/B14 frame size 90

28420 Series



Dimensions in mm

For performance data refer to the 200 size flexible impeller pump performance curves

Parts List

Key	Description	Qty	Part Number
1	Screw	4	X3001-207F
2	Endcover	1	28405-0020
3	O'Ring *	2	See right
4	Impeller*	1	See right
5	Body	1	See right
6	Wearplate	1	28436-0000
7 / 8	Seal Assembly *	1	See right
9	Shaft Extension	1	28427-0001
10	Motor Adaptor	1	28423-0000
11	Screw	4	X3001-209F
12	Washer	4	X3080-101K
13	Screw	4	X3001-209F
14	Washer	4	X3080-101F
15	Set Screw	2	X3009-207A
22	O-Ring	1	X4020-261A
23	Seal Housing	1	28412-0000
24	Tube	2	21844
25	Seal	1	SP2701-0915

Parts marked * Contained in service kit

Spare Parts & Service Kits

Pressure Rating	Medium	
3 O-Ring	Nitrile	X4020-399A
4 Impeller	3A Neoprene	14346-0005B
	E.P.D.M.	14346-0002B
5 Body	Tri-Clamp	28404-1000
	IDF/ISS	28404-3000
	RJT	28404-4000
	Bevel Seat	28404-5000
	DIN	28404-6000
	SMS	28404-7000
7 / 8 Seals	Std Mech.	28431-0103B
	Hard Faced	28431-0203B
Service Kit	3A Neoprene	SK378-0115
	E.P.D.M.	

Models with Neoprene and E.P.D.M. impellers use Nitrile elastomers on seals and O-rings.

NOTE:- Service Kits contain standard mechanical seals. For hard faced seals, order parts separately.

Other Available Options

Pedestal pumps, for higher pressure capability.

Jabsco, 1 Kondelin Road, Cape Ann Industrial Park, Gloucester, MA 01930
Tel : +1 978 281 0440 Fax : +1 978 283 2619

USA

Jabsco, Bingley Road, Hoddesdon, Hertfordshire, EN11 0BU
Tel : +44 (0)1992 450145 Fax : +44 (0)1992 467132

UK

Fluid Products Canada, 55 Royal Road, Guelph, Ontario N1H 1T1
Tel : +1 519 821 1900 Fax : +1 519 821 5316

CANADA

NHK Jabsco Co Ltd, 3-21-10, Shin - Yokohama, Kohoku-ku, Yokohama 222
Tel : +81 (0) 45 475 8906 Fax : +81 (0) 45 475 8908

JAPAN

Jabsco GmbH, Oststraße 28, 22844 Norderstedt
Tel : +49 (0) 40 53 53 73 0 Fax : +49 (0) 40 53 53 73 11

GERMANY

Jabsco Italia, s.r.l., Via Tommaseo, 6, 20059 Vimercate, Milano
Tel : +39 039 685 2323 Fax : +39 039 666 307

ITALY

28430 Series Stainless Steel Pedestal Pump

Features

- Self primes from dry up to 5.0 metres
- Flows up to 200 litres per minute
- Pressure up to 4.0 bar
- Handles hard or soft solids - max. 9mm dia
- Tolerates abrasive wear - replacable wearplate
- Non pulsating flow, proportional to speed
- Handles viscosities up to 10,000 centiPoise
- Minimal shear to thixotropic fluids
- Easy to service and maintain



Typical Applications

- Acids and alkalis, compounds, copper sulphate, methyls, alcohols.
- Industrial chemicals, resins, oils, fatty acids, brine.
- Detergents, soaps, hydrogen peroxide.
- Paints, dyes, inks, varnishes, laquers, solvents.
- Transfer, filling, recirculation and agitation, spillage return, spraying, coating, filtration.
- Viscous, shear-sensitive fluids, small hard and soft solids in suspension.

Specifications

Seal : Carbon / Ceramic mechanical face seal

Optional:

- Tungsten Carbide / Ceramic hard faced mechanical seal
- Nitrile Lip seal on shaft sleeve
- Carbon / Ceramic flushed seal
- Tungsten Carbide / Ceramic hard faced flushed seal

Seal Elastomer : Nitrile or Viton

Pump Head : Stainless steel 316, as-cast interior and exterior finish

End Cover : Stainless steel 316 grade

Shaft : Stainless steel 316 grade

Bearings : Greased ball bearings

Bearing Housing : Epoxy coated cast iron

Ports : 1½" BSP internal thread to BS21 (DIN2999)

Weight : 8.7kg

Model Range

Pressure options	Medium - Max 2.5 bar				High - Max 4.0 bar			
	Neoprene	E.P.D.M.	Nitrile	Viton®	Neoprene	E.P.D.M.	Nitrile	Viton®
Elastomer option	Neoprene	E.P.D.M.	Nitrile	Viton®	Neoprene	E.P.D.M.	Nitrile	Viton®
Temperature range	4°C to 65°C	0°C to 120°C	-5°C to 90°C	10°C to 90°C	4°C to 65°C	0°C to 120°C	-5°C to 90°C	10°C to 90°C
Mechanical Seal Options								
Carbon/Ceramic	28430-2115	28430-2112	28430-2113	28430-2114	28430-2125	28430-2122	28430-2123	28430-2124
Tungsten Carbide/Ceramic hard faced	28430-2215							
Lip seal	28430-2415							
Flushed Mechanical Seal								
Tungsten Carbide/Ceramic hard faced	28430-2715							
Carbon/Ceramic	28430-2915							

For models not listed above, consult distributor or factory

Note : it is not recommended to start the pump at extremes of the temperature range, impeller damage may occur

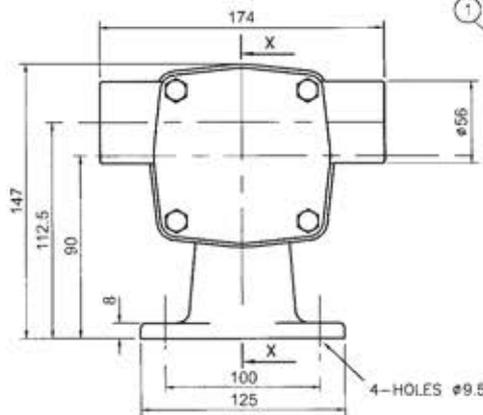
For Installation, Operating, Maintenance and Safety Instructions refer to form 43001-0543

⚠ WARNING Explosion hazard. Do not pump gasoline, solvents, thinners or other flammable liquids. To do so can cause an explosion resulting in injury or death.

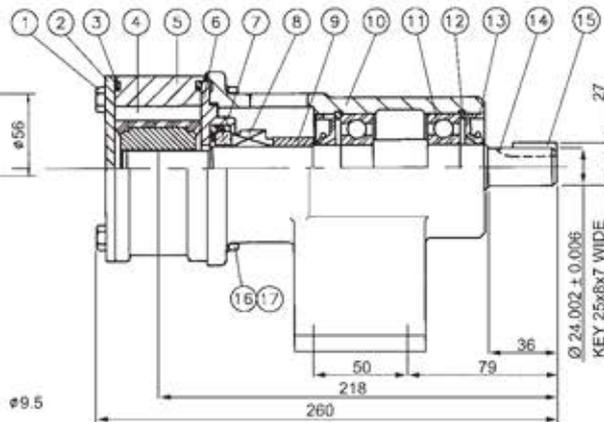


⚠ WARNING Injury hazard. Exposed pulleys and belts can cause injury. Install shield around pulleys and belts. Stay clear while machinery is operating.



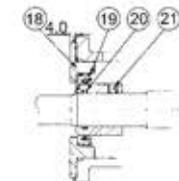


Dimensions in mm

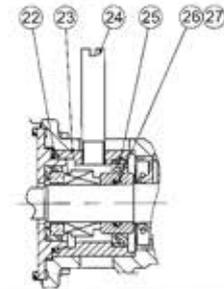


For performance data refer to the 200 size flexible impeller pump performance curves

28430 Series



Lip Seal



Flushed Seal

Parts List

Key	Description	Qty	Part Number
1	Screw	4	X3001-207F
2	Endcover	1	28405-0010
3	O'Ring *	2	See right
4	Impeller*	1	See right
5	Body	1	28434-2000
6	Wearplate	1	28436-0000
7 / 8	Seal Assembly *	1	See right
9	Seal Spacer	1	28417-0000
10	Bearing Housing	1	28403-0000
11	Bearing	2	SP2601-28
12	Retaining Ring	2	SP1701-283
13	Lip seal (Bearing Housing)	2	SP2701-0911
14	Shaft	1	28407-0000
15	Key	1	X4000-487A
16	Washer	4	X3080-101K
17	Screw	4	X3001-209F
18	Wearplate	1	28466-0000
19	Lip Seal	1	SP2701-0915
20	O-Ring	1	X4020-227A
21	Seal Spacer	1	28465-0001
22	O-Ring	1	X4020-261A
23	Seal Housing	1	28412-0000
24	Tube	2	21844
25	Seal	1	SP2701-0915
26	O-Ring	1	X4020-227A
27	Seal Spacer	1	28417-0001

Parts marked * Contained in service kit

Spare Parts & Service Kits

Pressure Rating		Medium	High
3	O-Ring	Nitrile X4020-399A	X4020-399A
		Viton X4020-399B	X4020-399B
4	Impeller	Neoprene 14346-0005B	8983-0005B
		E.P.D.M. 14346-0002B	8983-0002B
		Nitrile 14346-0013B	8983-0023B
		Viton 14346-0014B	8983-0024B
7 / 8	Std Mech. Seals	Nitrile 28431-0103B	28431-0103B
		Viton 28431-0104B	28431-0104B
	Hard Faced	Nitrile 28431-0203B	28431-0203B
		Viton 28431-0204B	28431-0204B
Service Kit	Neoprene SK378-0115	SK378-0125	
	Nitrile SK378-0113	SK378-0123	
	Viton SK378-0114		

Models with Neoprene and E.P.D.M. impellers use Nitrile elastomers on seals and O-rings.

Viton is a registered trademark of DuPont Dow Elastomers.

Other Available Options

Standard head kits, for close coupling to standard IEC motors.

Jabsco

USA

Jabsco
1485 Dale Way
Costa Mesa
CA 92628-2158

Tel : +1 714 545 8251
Fax : +1 714 957 0609

UK

Jabsco
Bingley Road
Hoddesdon
Hertfordshire, EN11 0BU

Tel : +44 (0) 1992 450 145
Fax : +44 (0) 1992 467 132

GERMANY

Jabsco GmbH
Oststraße 28
22844 Norderstedt

Tel : +49 (0) 40 53 53 73 0
Fax : +49 (0) 40 53 53 73 11



200 Size Stainless Steel FIP Head Kit Pump

11/00

28440 Series Stainless Steel Head Kit Pump

Features

- Self primes from dry up to 5.0 metres
- Flows up to 200 litres per minute
- Pressure up to 2.5 bar†
- Handles hard or soft solids - max. 9mm dia
- Tolerates abrasive wear - replacable wearplate
- Non pulsating flow, proportional to speed
- Handles viscosities up to 4,000 centiPoise
- Minimal shear to thixotropic fluids
- Fits IEC standard motor B3/B14, frame 90



Typical Applications

- Acids and alkalis, compounds, copper sulphate, methyls, alcohols.
- Industrial chemicals, resins, oils, fatty acids, brine.
- Detergents, soaps, hydrogen peroxide.
- Paints, dyes, inks, varnishes, laquers, solvents.
- Transfer, filling, recirculation and agitation, spillage return, spraying, coating, filtration.
- Viscous, shear-sensitive fluids, small hard and soft solids in suspension.

Specifications

Seal : Carbon / Ceramic mechanical face seal

Optional:

- Tungsten Carbide / Ceramic hard faced mechanical seal
- Nitrile Lip seal on shaft sleeve
- Carbon / Ceramic flushed seal
- Tungsten Carbide / Ceramic hard faced flushed seal

Seal Elastomers : Nitrile or Viton

Pump Head : Stainless steel 316, as-cast interior and exterior finish

End Cover : Stainless steel 316 grade

Shafts : Stainless steel 316 grade, shaft extension

Bearings : Uses motor bearings

Motor Adaptor : Epoxy coated cast iron

Ports : 1½" BSP internal thread to BS21 (DIN2999)

Weight : 6.4kg

Model Range

Pressure options	Medium - Max 2.5 bar†							
Elastomer option	Neoprene	E.P.D.M.	Nitrile	Viton®				
Temperature range	4°C to 65°C	0°C to 120°C	-5°C to 90°C	10°C to 90°C				
Mechanical Seal Options								
Carbon/Ceramic	28440-2115	28440-2112	28440-2113	28440-2114				
Tungsten Carbide/Ceramic hard faced			28440-2213					
Lip seal	28440-2415							
Flushed Mechanical Seal								
Tungsten Carbide/Ceramic hard faced	28440-2715							
Carbon/Ceramic	28440-2915							

For models not listed above, consult distributor or factory

Note : it is not recommended to start the pump at extremes of the temperature range, impeller damage may occur

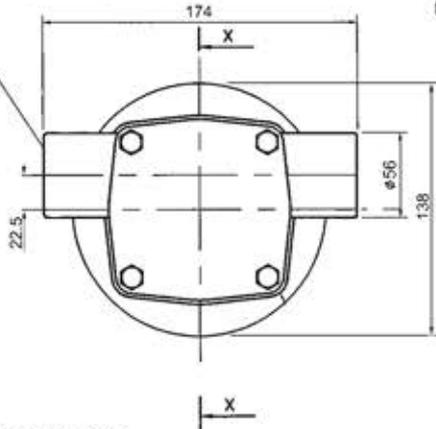
For Installation, Operating, Maintenance and Safety Instructions refer to form 43001-0543

⚠ WARNING Explosion hazard. Do not pump gasoline, solvents, thinners or other flammable liquids. To do so can cause an explosion resulting in injury or death.

† Pressures over 1.4 bar may reduce motor shaft life

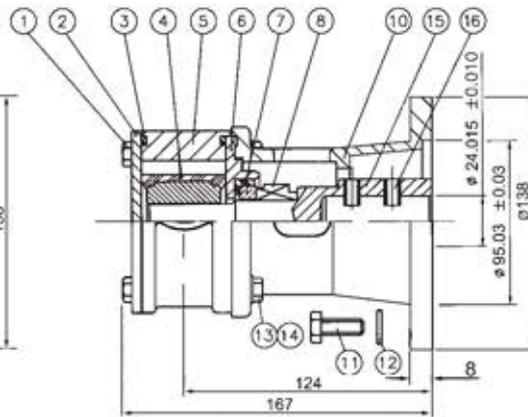
Fits IEC motor with foot & face to IEC B3/B14 frame size 90

Rp 1-1/2" (BS21) x 21 Deep
Both ports

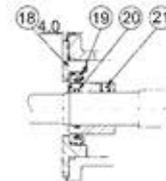


Dimensions in mm

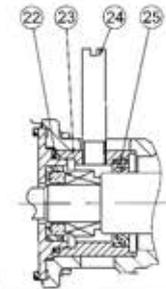
For performance data refer to the 200 size flexible impeller pump performance curves



28440 Series



Lip Seal



Flushed Seal

Parts List

Key	Description	Qty	Part Number
1	Screw	4	X3001-207F
2	Endcover	1	28405-0010
3	O'Ring *	2	See right
4	Impeller *	1	See right
5	Body	1	28434-2000
6	Wearplate	1	28436-0000
7 / 8	Seal Assembly *	1	See right
10	Motor Adaptor	1	28423-0000
11	Screw	4	X3001-209F
12	Washer	4	X3080-101K
13	Screw	4	X3001-209F
14	Washer	4	X3080-101K
15	Shaft Extension	1	28427-0001
16	Set Screw	2	X3009-203A
18	Wearplate	1	28466-0000
19	Lip Seal	1	SP2701-0915
20	O-Ring	1	X4020-227A
21	Seal Spacer	1	28465-0001
22	O-Ring	1	X4020-261A
23	Seal Housing	1	28412-0000
24	Tube	2	21844
25	Seal	1	SP2701-0915

Parts marked * Contained in service kit

Spare Parts & Service Kits

3	O-Ring	Nitrile	X4020-399A
		Viton	X4020-399B
4	Impeller	Neoprene	14346-0005B
		E.P.D.M.	14346-0002B
		Nitrile	14346-0013B
		Viton	14346-0014B
7 / 8	Std Mech. Seals	Nitrile	28431-0103B
		Viton	28431-0104B
	Hard Faced	Nitrile	28431-0203B
		Viton	28431-0204B
Service Kit	Neoprene	SK378-0115	
	Nitrile	SK378-0113	
	Viton	SK378-0114	

Models with Neoprene and E.P.D.M. impellers use Nitrile elastomers on seals and O-rings.

Viton is a registered trademark of DuPont Dow Elastomers.

Other Available Options

Pedestal pumps, for coupling to motor, gearbox or pulley.

Jabsco

USA

Jabsco
1485 Dale Way
Costa Mesa
CA 92628-2158

Tel : +1 714 545 8251
Fax : +1 714 957 0609

UK

Jabsco
Bingley Road
Hoddesdon
Hertfordshire, EN11 0BU

Tel : +44 (0) 1992 450 145
Fax : +44 (0) 1992 467 132

GERMANY

Jabsco GmbH
Oststraße 28
22844 Norderstedt

Tel : +49 (0) 40 53 53 73 0
Fax : +49 (0) 40 53 53 73 11