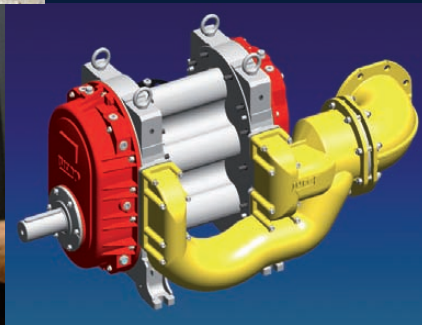


**style:** since 1976 Jurop have been recognised and distinguished with its unique and exclusive manufacturing style. The methods used contribute greatly to the quality and efficiency of our products. Whether it's pumps, powered units, complete tankers or components the emphasis is exactly the same.

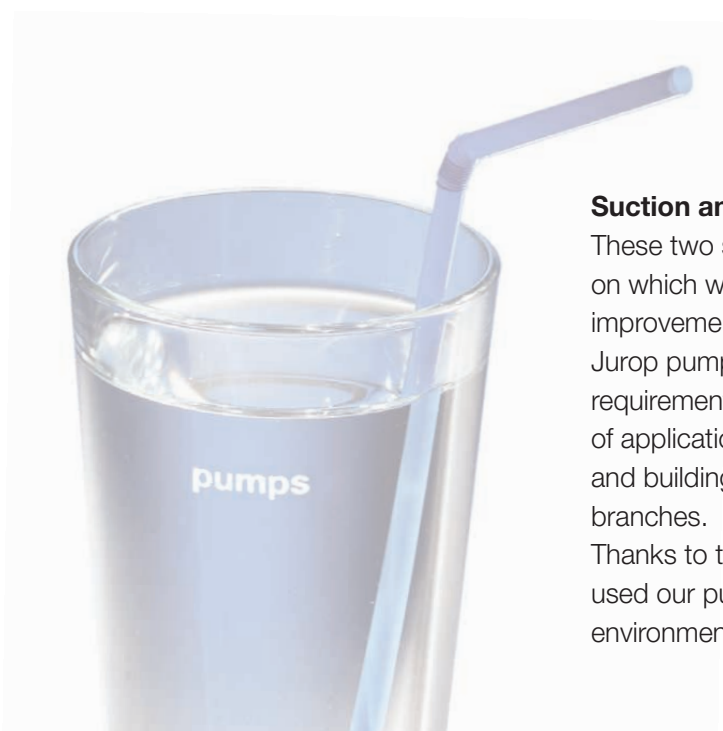
**unique:** we are unique because ours is not a mass production but each and every item is designed, and checked at every stage then assembled tested and proven before being delivered to the customer.



**exclusive:** we are exclusive because we value the thoughts and views of our customers; we design, monitor and continuously check with our customers with those special requirements always in mind. We continuously provide technical advice and support directly or by remote communication when needed, we are always keen to invite customers from around the world to visit our facilities to view at first hand the power behind the products. We are proud of our achievements and will continue to improve and develop not only our products and our support service but also our relationships with our customers.



**TEAM JUROP**



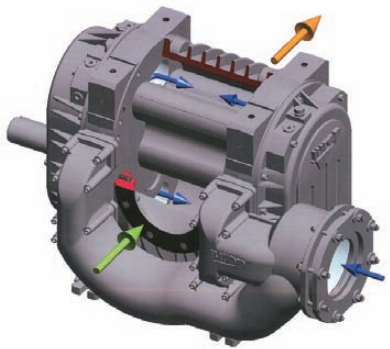
**Suction and transfer.**

These two simple words to identify a pump on which we focus our researches on innovations, improvements and developments.

Jurop pumps are designed to meet any specific requirement and have a wide range of applications: agricultural field, industrial, marine and building industry, civil and environment branches.

Thanks to technologies and quality of materials used our pumps are able to operate in any environment.

# style is reliability



**Sliding vane vacuum/pressure pumps**

**Positive displacement lobe blowers/compressors**

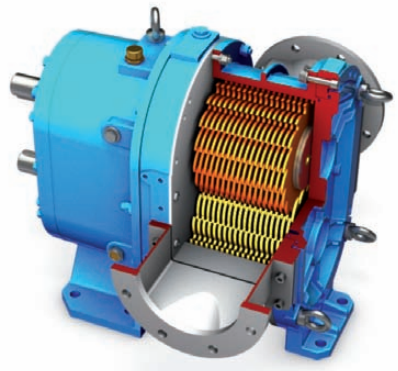
**Self priming rotary lobe liquid transfer pumps**

**Multy purposes vacuum/centrifugal pumps**

**Grinder/shredder for liquid bio-waste**

**Power take off**






**4-way changeover valves and safety valves**



While developing a new pump we achieve an immediate feedback by severe tests in our laboratory and field tests on our tankers.

Each pump is assembled according to Jurop methodical standards and is carefully tested and checked.

## Sliding vane vacuum/pressure pumps with lubrication

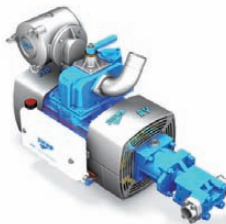
| series | model |  | side oil tank    | flow<br>m³/h<br>l/min. (cfm) | rotation speed<br>(rpm) | hydraulic drive | vacuum<br>% (in Hg) | continuous vacuum<br>% (in Hg) | pressure max abs<br>Bar (psi) | power max vacuum<br>kW (hp) | weight<br>kg (lbs) | type cooling  |
|--------|-------|---|------------------|------------------------------|-------------------------|-----------------|---------------------|--------------------------------|-------------------------------|-----------------------------|--------------------|---|
| PN     | 23    |   |                  | 156 2.600 (92)               | D 1300 M 540            | •               | 90 (27")            | 60 (18")                       | 1,5 (21,8)                    | 3,3 (4,5)                   | 53 (117)           |  air           |
|        | 33    |   |                  | 216 3.600 (127)              | D 1300 M 540            | •               | 90 (27")            | 60 (18")                       | 1,5 (21,8)                    | 5,4 (7,2)                   | 63 (139)           |   |
|        | 45    |   |                  | 318 5.300 (187)              | D 1300 M 540 M 1000     | •               | 92 (27,5")          | 60 (18")                       | 1,5 (21,8)                    | 6,3 (8,4)                   | 90 (198)           |   |
|        | 58    |   |                  | 390 6.500 (230)              | D 1300 M 540 M 1000     | •               | 92 (27,5")          | 60 (18")                       | 1,5 (21,8)                    | 8,1 (10,9)                  | 102 (225)          |   |
|        | 84    |   |                  | 540 9.000 (317)              | D 1300 M 540 M 1000     | •               | 92 (27,5")          | 60 (18")                       | 1,5 (21,8)                    | 12,8 (17,2)                 | 115 (254)          |   |
|        | 106   | •   |                  | 660 11.000 (388)             | D 1300 M 540 M 1000     | •               | 92 (27,5")          | 60 (18")                       | 1,5 (21,8)                    | 14,0 (18,8)                 | 143 (315)          |   |
|        | 130   | •   |                  | 774 12.900 (456)             | D 1350 M 540 M 1000     | •               | 94 (28,1")          | 60 (18")                       | 2,0 (29)                      | 19,0 (25,5)                 | 188 (415)          |   |
|        | 140   | •   |                  | 830 13.850 (490)             | D 1350 M 540 M 1000     | •               | 92 (27,5")          | 60 (18")                       | 2,0 (29)                      | 19,0 (25,5)                 | 200 (441)          |   |
| 155    | •     |   | 910 15.200 (536) | D 1150 M 540 M 1000          | •                       | 93 (28")        | 60 (18")            | 2,0 (29)                       | 19,0 (25,5)                   | 220 (485)                   |                    |   |
| PNE    | 72    |   |                  | 432 7.200 (254)              | D 1350 M 540            | •               | 93 (28")            | 60 (18")                       | 2,0 (29)                      | 10,0 (13,4)                 | 136 (300)          |   |
|        | 82    |   |                  | 492 8.200 (290)              | D 1350 M 540            | •               | 93 (28")            | 60 (18")                       | 2,0 (29)                      | 13,0 (17,4)                 | 142 (313)          |   |
|        | 102   |   |                  | 612 10.200 (360)             | D 1300 M 540 M 1000     | •               | 92 (27,5")          | 60 (18")                       | 2,0 (29)                      | 16,0 (21,5)                 | 173 (381)          |   |
|        | 122   |   |                  | 732 12.200 (430)             | D 1300 M 540 M 1000     | •               | 92 (27,5")          | 60 (18")                       | 2,0 (29)                      | 18,0 (24,1)                 | 190 (419)          |   |
| PNR    | 72    |   |                  | 432 7.200 (254)              | D 1350 M 540            | •               | 93 (28")            | 70 (21")                       | 2,0 (29)                      | 10,0 (13,4)                 | 136 (300)          |  air injection |
|        | 82    |   |                  | 492 8.200 (290)              | D 1350 M 540            | •               | 93 (28")            | 70 (21")                       | 2,0 (29)                      | 13,0 (17,4)                 | 142 (313)          |   |
|        | 102   | •   |                  | 612 10.200 (360)             | D 1300 M 540 M 1000     | •               | 92 (27,5")          | 70 (21")                       | 2,0 (29)                      | 16,0 (21,5)                 | 173 (381)          |   |
|        | 122   | •   |                  | 732 12.200 (430)             | D 1300 M 540 M 1000     | •               | 92 (27,5")          | 70 (21")                       | 2,0 (29)                      | 18,0 (24,1)                 | 190 (419)          |   |
|        | 142   | •   |                  | 852 14.200 (500)             | D 1300 M 540 M 1000     | •               | 90 (27")            | 70 (21")                       | 2,5 (36)                      | 19,0 (25,5)                 | 255 (562)          |   |
|        | 260 R |   |                  | 620 10.300 (365)             | D 1300                  | •               | 92 (27,5")          | 60 (18")                       | 2,0 (29)                      | 14,0 (18,8)                 | 180 (395)          |   |
|        | 155 R | •   |                  | 910 15.200 (536)             | D 1300 M 540 M 1000     | •               | 93 (28")            | 70 (21")                       | 2,0 (29)                      | 19,0 (25,5)                 | 220 (485)          |   |
| RV     | 360   |   | •                | 612 10.200 (360)             | D 1300                  | •               | 92 (27,5")          | 80 (24")                       | 2,0 (29)                      | 14,0 (18,8)                 | 173 (381)          |  fan cooled   |
|        | 520   |   | •                | 882 14.700 (520)             | D 1300                  | •               | 92 (27,5")          | 80 (24")                       | 2,0 (29)                      | 19,0 (25,5)                 | 190 (419)          |   |
| LC     | 300   |   | •                | 510 8.500 (300)              | D 1300 M 540 M 1000     | •               | 92 (27,5")          | 85 (25,5")                     | 2,0 (29)                      | 14,0 (18,8)                 | 195 (430)          |  water       |
|        | 420   |   | •                | 720 12.000 (420)             | D 1300 M 540 M 1000     | •               | 92 (27,5")          | 85 (25,5")                     | 2,0 (29)                      | 18,0 (24,1)                 | 210 (463)          |   |
|        | 580   |   | •                | 980 16.300 (580)             | D 1200 M 540 M 1000     | •               | 95 (28,5")          | 80 (24,0")                     | 2,0 (29)                      | 17,0 (22,8)                 | 232 (512)          |   |
| PR     | 150   | •   |                  | 900 15.000 (529)             | D 1200                  | •               | 95 (28,5")          | 95 (28,5")                     | 2,0 (29)                      | 25,0 (33,5)                 | 345 (761)          |   |
|        | 200   | •   |                  | 1.250 20.800 (735)           | D 1200                  | •               | 95 (28,5")          | 95 (28,5")                     | 2,0 (29)                      | 32,0 (43)                   | 445 (981)          |   |
|        | 250   | •   |                  | 1.550 25.800 (911)           | D 1100                  | •               | 95 (28,5")          | 95 (28,5")                     | 2,0 (29)                      | 39,5 (53)                   | 530 (1168)         |   |
|        | 330   | •   |                  | 1.980 33.000 (1.164)         | D 1000                  | •               | 95 (28,5")          | 95 (28,5")                     | 2,0 (29)                      | 50,0 (67)                   | 605 (1334)         |   |
|        | 530   | •   |                  | 3.180 53.000 (1.870)         | D 900                   | •               | 95 (28,5")          | 95 (28,5")                     | 2,0 (29)                      | 72,0 (96,5)                 | 980 (2161)         |   |



PN



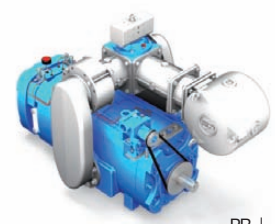
PNR



RV




LC



PR

## Multy purposes vacuum/centrifugal pumps

| series | model | flow (4 Bar)<br>m³/h<br>l/min. (cfm) | rotation speed<br>(rpm) | pressure max abs<br>Bar (psi) | power max pressure<br>kW (hp) | weight<br>kg (lbs) |   |
|--------|-------|--------------------------------------|-------------------------|-------------------------------|-------------------------------|--------------------|---|
| JULIA  | 3000  | 180 3.000 (792)                      | 540                     | 5,5 (80)                      | 33,0 (44,3)                   | 220÷360 (485÷794)  |  |
|        | 5000  | 300 5.000 (1.321)                    | 540                     | 7,0 (102)                     | 48,0 (64,4)                   | 220÷360 (485÷794)  |   |
|        | 7000  | 420 7.000 (1.850)                    | 1000                    | 8,5 (123)                     | 80,0 (107,3)                  | 357÷437 (787÷963)  |   |



JULIA



Combined unit with a vacuum pump plus a centrifugal pump, driven by one single input shaft at 540 rpm or 1000 rpm.

Above mentioned data are referred to centrifugal pump.

The following vacuum pumps can be coupled to centrifugal unit:

PN 45-58-84-106-130-140 / PNE/R 72-82-102-122 / LC 300-420 / DL 120-140 (Julia 3000-5000);  
PN 130-140-155-155R / PNR 142 / LC 300-420-580 / DL 120-140-200 (Julia 7000).

## Positive displacement lobe blowers/compressors **oil free**

| series     | model | Ex | m <sup>3</sup> /h | flow<br>l/min. (cfm) | rotation speed<br>(rpm) | hydraulic<br>drive | vacuum<br>% (in Hg) | continuous<br>vacuum<br>% (in Hg) | pressure<br>max abs<br>Bar (psi) | power<br>max vacuum<br>kW (hp) | weight<br>kg (lbs) | type<br>cooling   |   |
|------------|-------|----|-------------------|----------------------|-------------------------|--------------------|---------------------|-----------------------------------|----------------------------------|--------------------------------|--------------------|---|---|
| <b>DL</b>  | 60    |    | 400               | 6.670 (235)          | M 600 M 1000            | •                  | 85 (25,5")          | 70 (21")                          | 2,0 (29)                         | 12,0 (16,3)                    | 175 (386)          | <b>air injection</b><br> |   |
|            | 80    |    | 500               | 8.330 (295)          | M 600 M 1000            | •                  | 85 (25,5")          | 70 (21")                          | 2,0 (29)                         | 15,0 (20,0)                    | 175 (386)          |   |   |
|            | 100   |    | 625               | 10.400 (368)         | M 600 M 1000            | •                  | 85 (25,5")          | 70 (21")                          | 2,0 (29)                         | 18,0 (24,5)                    | 195 (429)          |   |   |
|            | 120   |    | 750               | 12.500 (442)         | M 600 M 1000            | •                  | 85 (25,5")          | 70 (21")                          | 2,0 (29)                         | 23,0 (31,0)                    | 230 (507)          |   |   |
|            | 140   |    | 885               | 14.750 (521)         | M 600 M 1000            | •                  | 85 (25,5")          | 70 (21")                          | 2,0 (29)                         | 26,0 (35,0)                    | 220 (485)          |   |   |
|            | 170   |    | 1.130             | 18.830 (665)         | M 600                   | •                  | 85 (25,5")          | 60 (18")                          | 2,0 (29)                         | 31,0 (42,0)                    | 255 (562)          |   |   |
|            | 200   |    | 1.250             | 20.830 (736)         | M 1000                  | •                  | 85 (25,5")          | 70 (21")                          | 2,0 (29)                         | 40,0 (54,2)                    | 255 (562)          |   |   |
| <b>PVT</b> | 200   | •  | 1.280             | 21.350 (755)         | D 4200                  | M 1400             | •                   | 93 (28")                          | 93 (28")                         | 2,0 (29)                       | 35,0 (47,0)        | 160 (352)   |   |
|            | 400   | •  | 2.500             | 41.700 (1.472)       | D 3300                  |                    | •                   | 93 (28")                          | 93 (28")                         | 2,0 (29)                       | 71,0 (96,0)        | 210 (463)   |   |
|            | 700   | •  | 4.150             | 69.170 (2.445)       | D 2500                  |                    | •                   | 93 (28")                          | 93 (28")                         | 2,0 (29)                       | 112,0 (151,0)      | 620 (1366)  |   |
|            | 1000  | •  | 6.400             | 106.700 (3.770)      | D 2500                  |                    | •                   | 93 (28")                          | 93 (28")                         | 2,0 (29)                       | 175,0 (235,0)      | 750 (1653)  |   |
| <b>CT</b>  | 30    |    | 360               | 6.000 (212)          | D 5000                  |                    |                     | 55 (16,5")                        | 50 (15")                         | 2,1 (30,5)                     | 13 (17,5) *        | 45 (99)   | <b>air</b><br> |
|            | 50    |    | 560               | 9.333 (330)          | D 5000                  |                    |                     | 55 (16,5")                        | 50 (15")                         | 2,1 (30,5)                     | 18 (24) *          | 55 (121)  |   |
|            | 80    | •  | 850               | 14.167 (500)         | D 4500                  | M 1500             | •                   | 55 (16,5")                        | 50 (15")                         | 2,1 (30,5)                     | 29 (39) *          | 106 (234)   |   |
|            | 105   | •  | 1.090             | 18.167 (642)         | D 4500                  | M 1500             | •                   | 55 (16,5")                        | 50 (15")                         | 2,1 (30,5)                     | 36 (48) *          | 118 (260)   |   |
|            | 130   | •  | 1.280             | 21.350 (755)         | D 4500                  | M 1500             | •                   | 55 (16,5")                        | 50 (15")                         | 2,1 (30,5)                     | 45 (60) *          | 132 (291)   |   |
|            | 240   | •  | 2.470             | 41.167 (1.453)       | D 3300                  |                    | •                   | 55 (16,5")                        | 50 (15")                         | 2,1 (30,5)                     | 89 (119) *         | 300 (660)   |   |
|            | 420   | •  | 4.150             | 69.170 (2.445)       | D 2500                  |                    | •                   | 55 (16,5")                        | 50 (15")                         | 2,1 (30,5)                     | 149 (199) *        | 595 (1310)  |   |
|            | 600   | •  | 6.400             | 106.700 (3.770)      | D 2500                  |                    | •                   | 55 (16,5")                        | 50 (15")                         | 2,1 (30,5)                     | 207 (277) *        | 795 (1750)  |   |

\* power max pressure kW (hp)



DL



PVT 200




PVT 700



CT

## Self priming rotary lobe liquid transfer pumps

| series    | model | Ex | m <sup>3</sup> /h | flow<br>l/min. (cfm) | rotation speed<br>(rpm) | hydraulic<br>drive | pressure<br>max abs<br>Bar (psi) | power<br>kW (hp) | weight<br>kg (lbs) |   |
|-----------|-------|----|-------------------|----------------------|-------------------------|--------------------|----------------------------------|------------------|--------------------|---|
| <b>VL</b> | 2     |    | 12                | 200 (53)             | 1000                    | •                  | 5,0 (72,5)                       | 4,0 (5,5)        | 50 (110)           |  |
|           | 4     |    | 24                | 400 (106)            | 1000                    | •                  | 3,0 (43,5)                       | 5,1 (7,0)        | 60 (132)           |   |
|           | 7     | •  | 42                | 700 (185)            | 540                     | •                  | 5÷9 (72,5÷130,5)                 | 8,0 (11,0)       | 97 (214)           |   |
|           | 14    | •  | 84                | 1.400 (370)          | 540                     | •                  | 5÷9 (72,5÷130,5)                 | 20,0 (27,0)      | 105 (231)          |   |
|           | 20    | •  | 120               | 2.000 (528)          | 540                     | •                  | 5÷7 (72,5÷101,5)                 | 25,0 (34,0)      | 119 (262)          |   |
|           | 27    | •  | 162               | 2.700 (713)          | 540                     | •                  | 5÷7 (72,5÷101,5)                 | 34,0 (46,0)      | 146 (322)          |   |
|           | 40    | •  | 240               | 4.000 (1.057)        | 540                     | •                  | 3,0 (43,5)                       | 42,0 (57,0)      | 170 (375)          |   |
|           | 17    |    | 102               | 1.700 (450)          | 500                     |                    | 5,0 (72,5)                       | 24,0 (32,5)      | 300 (662)          |   |
|           | 35    |    | 210               | 3.500 (924)          | 500                     |                    | 5,0 (72,5)                       | 46,0 (62,0)      | 335 (739)          |   |
|           | 50    |    | 306               | 5.100 (1.347)        | 500                     |                    | 4,0 (58,0)                       | 63,0 (85,0)      | 380 (838)          |   |



VL 4




VL 7



VL 35

Suitable for pumping slurry, viscous fluids containing solids in suspension, exhausted waste oil, agricultural manure, storm water etc.

## Grinder/shredder for liquid bio-waste

| series    | model | max differential pressure<br>Bar (psi) | rotation speed<br>(rpm) | max torque<br>(Nm) | power<br>kW (hp) | weight<br>kg (lbs) |   |
|-----------|-------|--|-------------------------|--------------------|------------------|--------------------|---|
| <b>AZ</b> | 35 i  | 5,0 (72,5)                             | 1000                    | 650                | 5÷55 (6,7÷73)    | 340 (750)          |  |

As its standard use, our grinder/macerator power consumption is 5-6 kW (at about 1000 rpm).  
Thanks to its design it is capable to provide up to 5 bar pressure and it can be coupled with electric motors up to 55 kW.




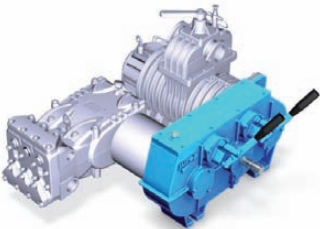
AZ

Equipped with rotating knives driven by two synchronized shafts, Jurop grinder is designed to shred and grind biologics (as grass, fibers, agricultural and food wastes, etc.), solids and gross particles deriving from livestock waters etc. in order to obtain an homogenous mixture to be recycled on biogas plants.

Most suitable the coupling with rotary lobe transfer pumps, VL series.

## Power take off

| series    | model | speed «IN»<br>(rpm) | power «IN»<br>kW (hp) | speed «OUT 1»<br>(rpm) | power «OUT 1»<br>kW (hp) | speed «OUT 2»<br>(rpm) | power «OUT 2»<br>kW (hp) |   |
|-----------|-------|---------------------|-----------------------|------------------------|--------------------------|------------------------|--------------------------|---|
| <b>SI</b> | SI 1  | 540                 | 40 (53,6)             | 540                    | 20 (26,8)                | 1000                   | 20 (26,8)                |  |
|           | SI 2  | 1000                | 40 (53,6)             | 540                    | 20 (26,8)                | 1000                   | 25 (33,5)                |   |
|           | SI 3  | 540                 | 45 (60,3)             | 1000                   | 30 (40,2)                | 1000                   | 30 (40,2)                |   |
|           | SI 4  | 540                 | 45 (60,3)             | 1000                   | 30 (40,2)                | 1000                   | 30 (40,2)                |   |
|           | SI 5  | 540                 | 20 (26,8)             | 540                    | 20 (26,8)                | 1000                   | 20 (26,8)                |   |



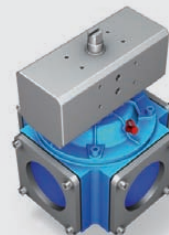
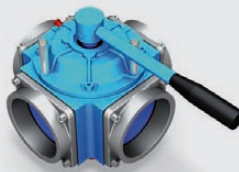
SI 3

SI 1, SI 2, SI 3, SI 4: can operate alternately by engaging just one output, or simultaneously by engaging both outputs.

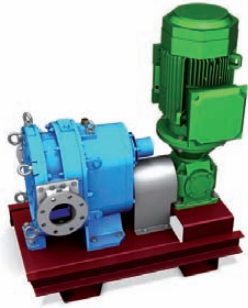
SI 5: can operate alternately only.

## Jurop manufactures also...

- 4-way changeover valves **suitable for air**  
– 2 1/2" to 8" – manual or pneumatic control
- VJ30 – VL60 overpressure safety relief valves **suitable for dense and viscous liquids**.  
Built with cast iron housing, outside springs, DN50 and DN80 ports – max 7 bars.



# Jurop for every dimension



## POWERED UNITS

---

**suction and liquid/sludge pumping units**  
**suction and air compression units**  
**powered grinders/shredders for organics**  
**custom units**



## EQUIPMENT

---

### VAC

liquid waste suction and transportation.

### VAC JET

liquid waste suction combined to high pressure cleansing.

### ADR

hazardous waste collection and transport.

### recycling

on combined units for filtration, recovering and recycling of dirty waters.

### street washing units

for street washing and cleansing.

### ATEX

suction and cleansing in potentially explosive environments/atmospheres.

### special units

designed and developed upon request for special purpose and use.



## ACCESSORIES AND COMPONENTS

---

**accessories for tankers**  
**vacuum line components**



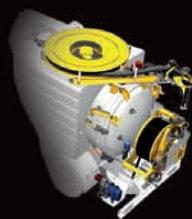
pumps



powered units



equipment



accessories  
components



COMPANY WITH QUALITY MANAGEMENT  
SYSTEM CERTIFIED BY DNV  
= ISO 9001:2008 =

**JUROP** spa

via Crosera, 50 · 33082 Azzano Decimo · Pn · Italy  
tel. ++39.0434.636811 · fax ++39.0434.636812  
www.juop.it · info@juop.it

