

Distributions racks for RE4

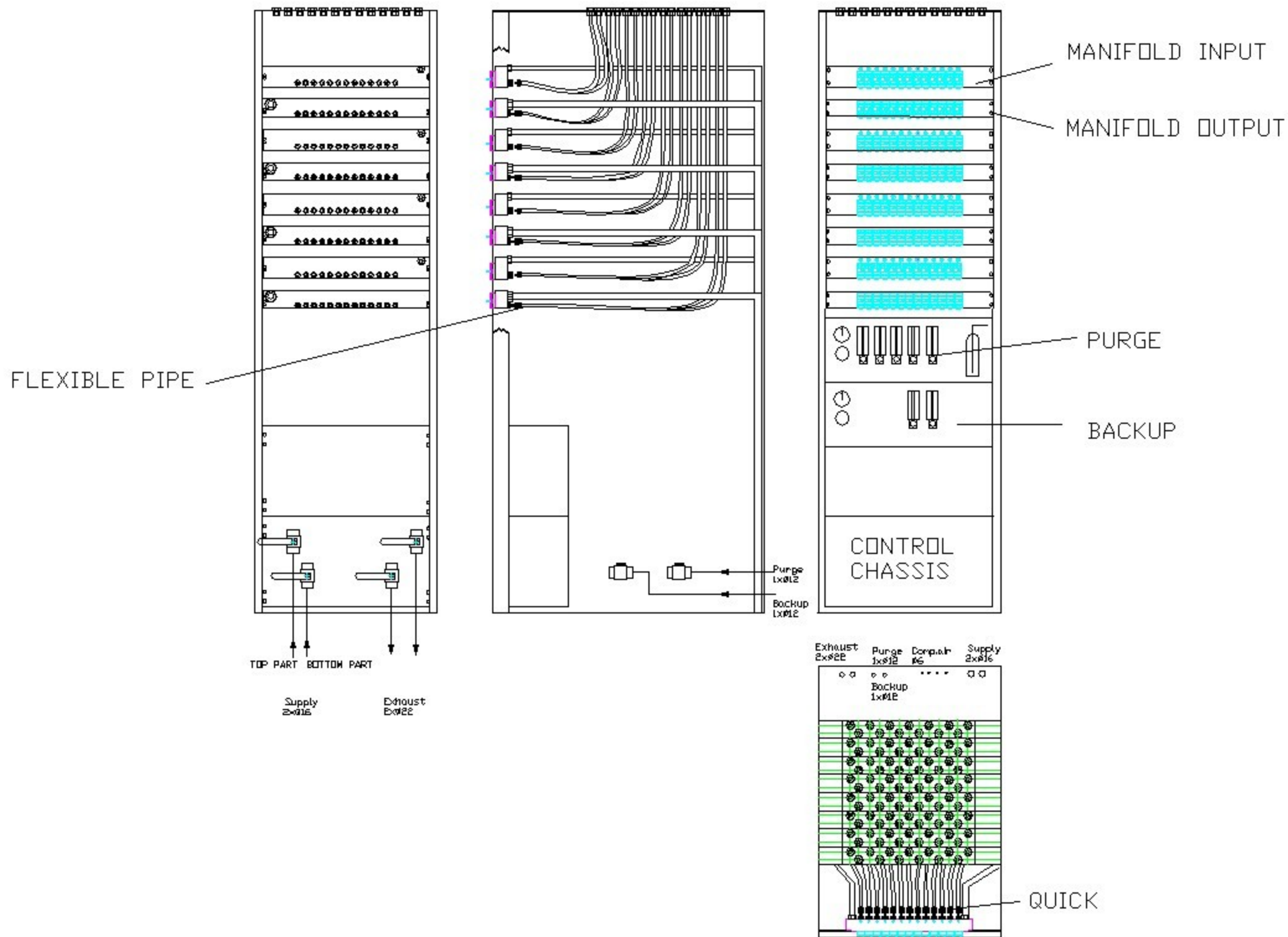
- **Drawing of a standard rack 52 channels.**
- **List of material and price.**

- **Drawing of rack with 72 channels**
- **List of material and price**

- **Resume options**

RPC RE4 SYSTEM

DISTRIBUTION RACK 600 X 900 X 1800 GENERAL VIEW
FOR 52 channels input/output

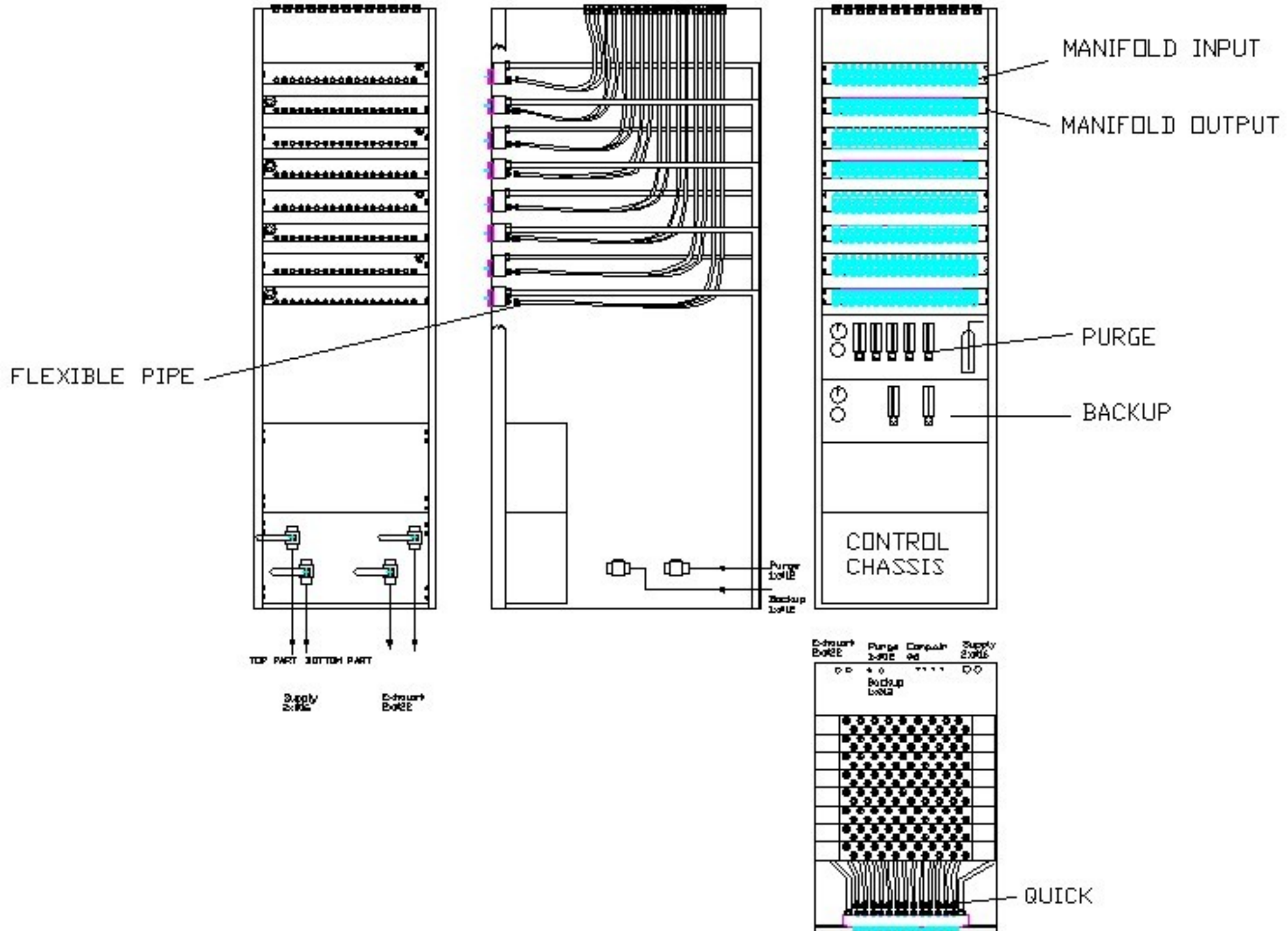


List of material & price for RPC ENDCAP RE4
52 Channels input/output

| Name | Specifications | RPC | | Price | Tot.price | Tot price | Tot.price with | Stock price |
|-------------------------------|---|--------|---------|-------|----------------|-----------------|----------------|-------------|
| | | 1 rack | 2 racks | 1 pce | 1 Rack | 2 racks | stock | estimated |
| Nb of rack | Rack 600x600x1800 SCEM: 06.61.74.003.0 | 1 | 2 | 1174 | 1174 | 2348 | 2348 | |
| Bottom rack | SCEM: 06.61.74.410.9 | 1 | 2 | 59.5 | 59.5 | 119 | 119 | |
| Rack square | SCEM: 06.61.74.120.6 | 1 | 2 | 48 | 48 | 96 | 96 | |
| Nb of manifolds 13 ways Input | Drawing nb 3 | 4 | 8 | 189 | 756 | 1512 | | 1512 |
| Nb manifolds 13 ways Output | Drawing nb 4 | 4 | 8 | 187 | 748 | 1496 | | 1496 |
| Tape for cell | Type M6 x 6 Legris SCEM: 41.34.26.320.4 | 104 | 208 | 1.1 | 114.4 | 228.8 | | 228.8 |
| Tape for manifolds | Type M6 x 6 Legris SCEM: 41.34.26.320.4 | 104 | 208 | 1.1 | 114.4 | 228.8 | | 228.8 |
| Tape for manifolds input | Type 3/8" LEGRIS SCEM: 41.34.26.328.6 | 4 | 8 | 1.5 | 6 | 12 | | 12 |
| Tape for manifolds Output | Type 1/2" LEGRIS SCEM: 41.34.26.330.2 | 4 | 8 | 2.05 | 8.2 | 16.4 | | 16.4 |
| Joints for cell | O'ring NBR ID 6.07X1.78mm SCEM: 36.10.30.452.9 | 208 | 416 | 0.06 | 12.48 | 24.96 | | 24.96 |
| Joints for quick | Joints plat universel, 13x18x2 NBR, SCEM: 36.12.60.405.9 | 208 | 416 | 0.16 | 33.28 | 66.56 | | 66.56 |
| Vis de fixation cell | Vis M3x16 SCEM: 47.62.71.107.5 | 144 | 288 | 0.08 | 11.52 | 23.04 | | 23.04 |
| Quick on manifolds input | SERTO Femelle 760I 1/4"Male SCEM: 41.61.25.130.9 | 52 | 104 | 100 | 5200 | 10400 | 10400 | |
| Quick on manifolds output | SERTO Male 760I 1/4"Male SCEM: 41.61.25.110.3 | 52 | 104 | 100 | 5200 | 10400 | 10400 | |
| Quick on soft tube input | SERTO Male 760I 1/4"Femelle SCEM: 41.61.25.120.1 | 52 | 104 | 100 | 5200 | 10400 | 10400 | |
| Quick on soft tube output | SERTO Femelle 760I 1/4"Femelle SCEM: 41.61.25.140.7 | 52 | 104 | 110 | 5720 | 11440 | 11440 | |
| Soft tube 1 length | Assiwell 400 mm | 52 | 104 | 52 | 2704 | 5408 | 5408 | |
| | Assiwell 400 mm + 100mm fixe tube | 52 | 104 | 50 | 2600 | 5200 | 5200 | |
| Joints quick/soft tube | Joints plat universel, 13x18x2 NBR, SCEM: 36.12.60.405.9 | 52 | 104 | 0.16 | 8.32 | 16.64 | | 16.64 |
| Bulkhead coupling input | FBO 4/6 to 4/6 LAITON SCEM: 41.33.20.608.1 | 52 | 104 | 15.5 | 806 | 1612 | 1612 | |
| Bulkhead coupling output | FBO 6/8 to 6/8 LAITON SCEM: 41.33.20.608.1 | 52 | 104 | 17.5 | 910 | 1820 | 1820 | |
| Adaptator connector union | FBO: diametre 16 laiton 3/8" cyl SCEM: 41.33.10.216.8 | 4 | 8 | 14 | 56 | 112 | 112 | |
| Adaptator connector union | FBO: diametre 20 laiton 1/2" cyl SCEM: 41.33.10.220.2 | 4 | 8 | 17 | 68 | 136 | 136 | |
| Manual valves 2 ways | Vanne a bille 3/4" | 2 | 4 | 54 | 108 | 216 | 216 | |
| Manual valves 2 ways | Vanne a bille 1/2" | 2 | 4 | 49 | 98 | 196 | 196 | |
| Raccords vannes | FBO : diametre 16 3/4" SCEM: 41.33.10.616.6 | 4 | 8 | 14.5 | 58 | 116 | 116 | |
| Raccords vannes | FBO : diametre 22 1/2" SCEM: 41.33.10.228.4 | 4 | 8 | 18 | 72 | 144 | 144 | |
| Bubbler | Protection | 2 | 4 | 410 | 820 | 1640 | | 1640 |
| Bubbler purge and backup | | 4 | 8 | 310 | 1240 | 2480 | | 2480 |
| Bubbler purge | | 1 | 2 | 43.5 | 43.5 | 87 | 87 | |
| Pneumatique valve backup | Bachofen NO Type:188.15.16.1.4.1R.S0104 | 2 | 4 | 179 | 358 | 716 | | 716 |
| Regulation valve backup | tescom SCEM 59.75.10.100.6 | 2 | 4 | 384 | 768 | 1536 | 1536 | |
| | | | 0 | | | 0 | | |
| Pressure sensor input | sensors technic 0+40 mbar SCEM 22.64.11.030.5 | 4 | 8 | 191 | 764 | 1528 | 1528 | |
| Pressure sensor output | sensors technic -10/+10 mbar SCEM 22.64.11.005.6 | 4 | 8 | 191 | 764 | 1528 | 1528 | |
| Manpower | Mecanic part | 1 | 2 | 12500 | 12500 | 25000 | 25000 | |
| Manpower | Electrical part + material | 1 | 2 | 2000 | 2000 | 4000 | 1500 | 2500 |
| | | | | | 51151.6 | 102303.2 | 91342 | 10961.2 |

RPC BARREL SYSTEM

DISTRIBUTION RACK 600 X 900 X 1800 GENERAL VIEW
FOR 72 INPUT/OUTPUT CHANNELS



List of material & price for RPC ENDCAP RE4

72 channels input/output

| Name | Specifications | RPC | | Price | Tot.price | Tot price | Tot.price with | stock price |
|-------------------------------|---|--------|---------|-------|----------------|-----------------|----------------|-------------|
| | | 1 rack | 2 racks | 1 pce | 1 Rack | 2 racks | stock | estimated |
| Nb of rack | Rack 600x600x1800 SCEM: 06.61.74.003.0 | 1 | 2 | 1174 | 1174 | 2348 | 2348 | |
| Bottom rack | SCEM: 06.61.74.410.9 | 1 | 2 | 59.5 | 59.5 | 119 | 119 | |
| Rack square | SCEM: 06.61.74.120.6 | 1 | 2 | 48 | 48 | 96 | 96 | |
| Nb of manifolds 18 ways Input | Drawing nb 1 | 4 | 8 | 2500 | 10000 | 20000 | 20000 | |
| Nb manifolds 18 ways Output | Drawing nb 2 | 4 | 8 | 2500 | 10000 | 20000 | 20000 | |
| Tape for cell | Type M6 x 6 Legris SCEM: 41.34.26.320.4 | 104 | 208 | 1.1 | 114.4 | 228.8 | | 228.8 |
| Tape for manifolds | Type M6 x 6 Legris SCEM: 41.34.26.320.4 | 104 | 208 | 1.1 | 114.4 | 228.8 | | 228.8 |
| Tape for manifolds input | Type 3/8" LEGRIS SCEM: 41.34.26.328.6 | 4 | 8 | 1.5 | 6 | 12 | | 12 |
| Tape for manifolds Output | Type 1/2" LEGRIS SCEM: 41.34.26.330.2 | 4 | 8 | 2.05 | 8.2 | 16.4 | | 16.4 |
| Joints for cell | O'ring NBR ID 6.07X1.78mm SCEM: 36.10.30.452.9 | 208 | 416 | 0.06 | 12.48 | 24.96 | | 24.96 |
| Joints for quick | Joints plat universel, 13x18x2 NBR, SCEM: 36.12.60.405.9 | 208 | 416 | 0.16 | 33.28 | 66.56 | | 66.56 |
| Vis de fixation cell | Vis M3x16 SCEM: 47.62.71.107.5 | 144 | 288 | 0.08 | 11.52 | 23.04 | | 23.04 |
| Quick on manifolds input | SERTO Femelle 760I 1/4"Male SCEM: 41.61.25.130.9 | 72 | 144 | 100 | 7200 | 14400 | 14400 | |
| Quick on manifolds output | SERTO Male 760I 1/4"Male SCEM: 41.61.25.110.3 | 72 | 144 | 100 | 7200 | 14400 | 14400 | |
| Quick on soft tube input | SERTO Male 760I 1/4"Femelle SCEM: 41.61.25.120.1 | 72 | 144 | 100 | 7200 | 14400 | 14400 | |
| Quick on soft tube output | SERTO Femelle 760I 1/4"Femelle SCEM: 41.61.25.140.7 | 72 | 144 | 110 | 7920 | 15840 | 15840 | |
| Soft tube 1 length | Assiwell 400 mm | 72 | 144 | 52 | 3744 | 7488 | 7488 | |
| | Assiwell 400 mm + 100mm fixe tube | 72 | 144 | 50 | 3600 | 7200 | 7200 | |
| Joints quick/soft tube | Joints plat universel, 13x18x2 NBR, SCEM: 36.12.60.405.9 | 72 | 144 | 0.16 | 11.52 | 23.04 | | 23.04 |
| Bulkhead coupling input | FBO 4/6 to 4/6 LAITON SCEM: 41.33.20.608.1 | 72 | 144 | 15.5 | 1116 | 2232 | 2232 | |
| Bulkhead coupling output | FBO 6/8 to 6/8 LAITON SCEM: 41.33.20.608.1 | 72 | 144 | 17.5 | 1260 | 2520 | 2520 | |
| Adaptator connector union | FBO: diametre 16 laiton 3/8" cyl SCEM: 41.33.10.216.8 | 4 | 8 | 14 | 56 | 112 | 112 | |
| Adaptator connector union | FBO: diametre 20 laiton 1/2" cyl SCEM: 41.33.10.220.2 | 4 | 8 | 17 | 68 | 136 | 136 | |
| Manual valves 2 ways | Vanne a bille 3/4" | 2 | 4 | 54 | 108 | 216 | 216 | |
| Manual valves 2 ways | Vanne a bille 1/2" | 2 | 4 | 49 | 98 | 196 | 196 | |
| Raccords vannes | FBO : diametre 16 3/4" SCEM: 41.33.10.616.6 | 4 | 8 | 14.5 | 58 | 116 | 116 | |
| Raccords vannes | FBO : diametre 22 1/2" SCEM: 41.33.10.228.4 | 4 | 8 | 18 | 72 | 144 | 144 | |
| Bubbler | Protection | 2 | 4 | 410 | 820 | 1640 | | 1640 |
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| Bubbler purge | | 1 | 2 | 43.5 | 43.5 | 87 | 87 | |
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| | | | 0 | | | | | |
| Pressure sensor input | sensors technic 0+40 mbar SCEM 22.64.11.030.5 | 4 | 8 | 191 | 764 | 1528 | 1528 | |
| Pressure sensor output | sensors technic -10/+10 mbar SCEM 22.64.11.005.6 | 4 | 8 | 191 | 764 | 1528 | 1528 | |
| Manpower | Mecanic part | 1 | 2 | 12500 | 12500 | 25000 | 25000 | |
| Manpower | Electrical part + material | 1 | 2 | 2000 | 2000 | 4000 | 1500 | 2500 |
| | | | | | 80550.8 | 161101.6 | 153142 | 7959.6 |

Conclusion:

Option 1:

Standard rack with 52 channels

Manifolds used, already built.

This number of channels are the max we can built now without buy new manifolds.

Price for 2 racks: 102303 .- chf

Option 2:

Special rack with 72 channels

Manifolds used must be built specially for this configuration.

No more manifolds.

Price for 2 racks: 153142.- chf

Option 3:

Build 2 others racks:

Price will be more or less the same of option 2.

But no space in the balcony