**Radopress – system for potable and hot water distribution, central and surface/floor, wall and ceiling/heating and cooling**

Technical specifications according **БДС EN ISO 21003**

1. **Application:** for hot and cold water building installations according **БДС EN ISO 21003, part 1, 2 and 3**
2. **Raw material:** virgin material in compliance with **БДС EN ISO 21003-1**
3. **Hygiene assessment certificate for drinking water**
4. **Usage of scrap:** according **БДС EN ISO 21003-1** – only possible with own production scrap; usage of scrap from another producer or recycled one is prohibited.
5. **Joints** **type**: press fittings according **БДС EN ISO 21003-3** /mandatory for joints under paste cement, etc. / and thread fittings/only for open installation/
6. **Material:**

* **DN16-32:** polyethylene with higher heat resistance with aluminum layer **PE-RT/AL/PE-RT type II** for class 2/70˚С/ and class 5/80˚С/ and polyethylene with higher heat resistance PERT/AL/PERT type I for class 4/60˚С – under10 bar!
* **DN40-63**: netlike polyethylene with aluminum layer **PE-X/AL/PE-X** for class 2/70˚С/ and class 5/80˚С/

1. **Inner layer roughness:** <= 0.015mm
2. **Water tightness of the joints:** according  **БДС** **EN ISO 21003- part 6 and 7**
3. **Nominal diameter** **DN:** OD (outer diameter)
4. **Working temperature**: according application class of **БДС EN ISO 21003-1**: class 5 for high temperature installations up to 80˚С; class 4 for low temperature installations up to 60˚С; class 2 for potable water up to70˚С
5. **Marking:** mandatory pipe marking according **БДС EN ISO 21003-1**, displaying standard number, application class for the respective pressure, material type(e.g.PE-RT/AL/PE-RT), etc.
6. **System:** **Radopress** – full system pipes and fittings
7. **Compatibility with other elements/collectors, valves and other fittings/**: Yes
8. **Standard:** **БДС EN ISO 21003: Radopress pipes-part 1 and 2; Radopress fittings-part 3**
9. **Exchange:** If an equivalent product is listed, all its technical characteristics should be listed as well as respective standards.
10. **Quality control**: according **ISO 9001**

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|  | **Description in a project** |
|  | PERT-Al-PERT pipe Radopress ф16х2 with alum. Layer, class 2-5/10bar EN ISO 21003 |
|  | PERT-Al-PERT pipe Radopress ф18х2 with alum. Layer, class 2-5/10bar EN ISO 21003 |
| |  | | --- | |  | | PERT-Al-PERT pipe Radopress ф20х2 with alum. Layer, class 2-5/10bar EN ISO 21003 |
|  | PERT-Al-PERT pipe Radopress ф26х3 with alum. Layer, class 2-5/10bar EN ISO 21003 |
|  | PERT-Al-PERT pipe Radopress ф32х3 with alum. Layer, class 2-5/10bar EN ISO 21003 |
|  | PEX-Al-PEX pipe Radopress ф40х3.5 with alum. Layer, class 2-5/10bar EN ISO 21003 |
|  | PEX-Al-PEX pipe Radopress ф50х4 with alum. Layer, class 2-5/10bar EN ISO 21003 |
|  | PEX-Al-PEX pipe Radopress ф63х4.5 with alum. Layer, class 2-5/10bar EN ISO 21003 |
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|  | **Fittings** |
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|  | RP Radopress Brass socket 16 |
|  | RP Radopress Brass socket 18 |
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|  | RP Radopress Brass socket 26 |
|  | RP Radopress Brass socket 32 |
|  | RP Radopress Brass socket 40 |
|  | RP Radopress Brass socket 50 |
|  | RP Radopress Brass socket 63 |
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|  | RP Radopress Brass socket 18/16 |
|  | RP Radopress Brass socket 20/16 |
|  | RP Radopress Brass socket 20/18 |
|  | RP Radopress Brass socket 26/16 |
|  | RP Radopress Brass socket 26/18 |
|  | RP Radopress Brass socket 26/20 |
|  | RP Radopress Brass socket 32/16 |
|  | RP Radopress Brass socket 32/18 |
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|  | RP Radopress Brass socket 32/26 |
|  | RP Radopress Brass socket 40/26 |
|  | RP Radopress Brass socket 40/32 |
|  | RP Radopress Brass socket 50/26 |
|  | RP Radopress Brass socket 50/32 |
|  | RP Radopress Brass socket 50/40 |
|  | RP Radopress Brass socket 63/26 |
|  | RP Radopress Brass socket 63/32 |
|  | RP Radopress Brass socket 63/40 |
|  | RP Radopress Brass socket 63/50 |
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|  | RP Radopress Elbow 16х90 - brass |
|  | RP Radopress Elbow 18х90 - brass |
|  | RP Radopress Elbow 20х90 - brass |
|  | RP Radopress Elbow 26х90 - brass |
| |  | | --- | |  | | RP Radopress Elbow 32х90 - brass |
|  | RP Radopress Elbow 40х90 - brass |
|  | RP Radopress Elbow 50х90 - brass |
|  | RP Radopress Elbow 63х90 - brass |
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|  | RP Radopress Bend 32х45 - brass |
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|  | RP Radopress Bend 50х45 - brass |
|  | RP Radopress Bend 63х45 - brass |
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|  | RP Radopress Tee DN16 - brass |
|  | RP Radopress Tee DN18 - brass |
|  | RP Radopress Тройник DN20 - brass |
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|  | RP Radopress Tee DN32 - brass |
|  | RP Radopress Tee к DN40 - brass |
|  | RP Radopress Tee DN50 - brass |
|  | RP Radopress Tee DN63 - brass |
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|  | RP Radopress reducing tee Т16/18/16 |
|  | RP Radopress reducing tee Т16/20/16 |
|  | RP Radopress reducing tee Т18/16/16 |
|  | RP Radopress reducing tee Т18/16/18 |
|  | RP Radopress reducing tee Т20/16/16 |
|  | RP Radopress reducing tee Т20/16/18 |
|  | RP Radopress reducing tee Т20/16/20 |
|  | RP Radopress reducing tee Т20/18/18 |
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|  | RP Radopress reducing tee Т20/20/16 |
|  | RP Radopress reducing tee Т20/26/20 |
|  | RP Radopress reducing tee Т26/16/20 |
|  | RP Radopress reducing tee Т26/16/26 |
|  | RP Radopress reducing tee Т26/18/18 |
|  | RP Radopress reducing tee Т26/18/26 |
|  | RP Radopress reducing tee Т26/20/16 |
|  | RP Radopress reducing tee Т26/20/20 |
|  | RP Radopress reducing tee Т26/20/26 |
|  | RP Radopress reducing tee Т26/26/16 |
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|  | RP Radopress reducing tee Т32/16/32 |
|  | RP Radopress reducing tee Т32/18/32 |
|  | RP Radopress reducing tee Т32/20/26 |
|  | RP Radopress reducing tee Т32/20/32 |
|  | RP Radopress reducing tee Т32/26/26 |
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|  | RP Radopress reducing tee Т32/32/26 |
|  | RP Radopress reducing tee Т40/26/32 |
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|  | RP Radopress reducing tee Т50/32/50 |
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|  | RP Radopress reducing tee Т50/50/32 |
|  | RP Radopress reducing tee Т50/50/40 |
|  | RP Radopress reducing tee Т63/40/63 |
|  | RP Radopress reducing tee Т63/50/63 |
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|  | RP Radopress plug 16 |
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|  | RP Radopress plug 20 |
|  | RP Radopress plug 50 |
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|  | RP Radopress union(male brass thread) 16/1/2 |
|  | RP Radopress union(male brass thread)18/1/2 |
|  | RP Radopress union(male brass thread) 18/3/4 |
|  | RP Radopress union(male brass thread)20/1/2 |
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|  | RP Radopress union(male brass thread)26/3/4 |
|  | RP Radopress union(male brass thread)26/1 |
|  | RP Radopress union(male brass thread)32/1 |
|  | RP Radopress union(male brass thread)32/5/4 |
|  | RP Radopress union(male brass thread)40/1 |
|  | RP Radopress union(male brass thread)40/5/4 |
|  | RP Radopress union(male brass thread)50/6/4 |
|  | RP Radopress union(male brass thread)63/2 |
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|  | RP Radopress union( female brass thread)16/1/2 |
|  | RP Radopress union( female brass thread)18/1/2 |
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|  | RP Radopress union( female brass thread)20/3/4 |
|  | RP Radopress union( female brass thread)26/3/4 |
|  | RP Radopress union( female brass thread)26/1 |
|  | RP Radopress union( female brass thread)32/1 |
|  | RP Radopress union( female brass thread)32/5/4 |
|  | RP Radopress union( female brass thread)40/1 |
|  | RP Radopress union( female brass thread)40/5/4 |
|  | RP Radopress union( female brass thread)50/60/4 |
|  | RP Radopress union( female brass thread)63/2 |
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|  | RP Radopress elbow( male brass thread)16/1/2 |
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|  | RP Radopress elbow( male brass thread)20/1/2 |
|  | RP Radopress elbow( male brass thread)20/3/4 |
|  | RP Radopress elbow( male brass thread) 26/3/4 |
|  | RP Radopress elbow( male brass thread) 32/1 |
|  | RP Radopress elbow( male brass thread) 40/5/4 |
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|  | RP elbow-union with union nut 20/3/4 |
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|  | RP elbow(female brass thread) 16/1/2 |
|  | RP elbow(female brass thread) 18/1/2 |
| |  | | --- | |  | | RP elbow(female brass thread) 20/1/2 |
|  | RP elbow(female brass thread) 20/3/4 |
|  | RP elbow(female brass thread) 26/3/4 |
|  | RPelbow(female brass thread) 32/1 |
|  | RP elbow(female brass thread) 40/5/4 |
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|  | RP tee(male brass thread) 16/1/2 |
|  | RP tee(male brass thread) 20/1/2 |
|  | RP tee(male brass thread) 20/3/4 |
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|  | RP tee(male brass thread) 26/3/4 |
|  | RP tee(male brass thread) 26/1 |
|  | RP tee(male brass thread) 32/3/4 |
|  | RP tee(male brass thread) 32/1 |
|  | RP tee(male brass thread) 40/5/4 |
|  | RP tee(male brass thread) 50/5/4 |
|  | RP tee(male brass thread) 63/2 |
|  | RP tee(male brass thread) 16/1/2 |
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|  | RP tee(female brass thread) 16/1/2 |
|  | RP tee(female brass thread) 20/1/2 |
|  | RP tee(female brass thread) 20/3/4 |
|  | RP tee(female brass thread) 26/1/2 |
|  | RP tee(female brass thread) 26/3/4 |
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|  | RP tee(female brass thread) 32/1/2 |
|  | RP tee(female brass thread) 32/3/4 |
|  | RP tee(female brass thread) 40/1 |
|  | RP tee(female brass thread) 40/5/4 |
|  | RP tee(female brass thread) 50/5/4 |
|  | RP tee(female brass thread) 50/6/4 |
|  | RP tee(female brass thread) 63/2 |
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|  | RP union with union nut 16/1/2 |
|  | RP union with union nut 16/3/4 |
|  | RP union with union nut 16/1 |
|  | RP union with union nut20/3/4 |
|  | RP union with union nut 20/1 |
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|  | RP union with union nut 26/5/4 |
|  | RP union with union nut 32/5/4 |
|  | RP union with union nut 32/6/4 |
|  | RP union with union nut 40/5/4 |
|  | RP union with union nut 40/6/4 |
|  | RP union with union nut 40/2 |
|  | RP union with union nut 50/6/4 |
|  | RP union with union nut 50/2 |
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|  | RP transition union 16 |
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|  | RP transition union 26 |
|  | RP transition union 32 |
|  | RP transition union 40 |
|  | RP transition union 50 |
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|  | RP wall elbow 16x1/2 |
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|  | RP wall elbow 20x1/2 |
|  | RP wall elbow 20x3/4 |
|  | RP wall elbow 26x3/4 |
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|  | Rpdouble wall elbow V 20х1/2" |
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|  | RP ball valve 16 |
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|  | RP ball valve 26 |