

# Zudraulics s.r.o

## Hydraulic Solutions

Components      Filters      Hoses



- Hoses-Thermoplastic
- Hoses-P.T.F.E
- Hoses-Industrial & Tubings
- Hoses-Rubber
- Fluid connections
- Tube Fittings & Adaptors
- Hydraulic & Lubricating Oil Filters
- Filter Replacement Elements
- Instrumental Fittings & Valves

[www.zudraulics.eu](http://www.zudraulics.eu)

### Zudraulics

Zudraulics s.r.o

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## Zudraulics PROFILE

Zudraulics, your partner in Europe for Industrial solutions. We are direct factory representative, Importers, Stockist, and wholesalers

Our aim is to provide quality hydraulic products and components and set up a network of distributors throughout Central & Eastern Europe. Based in Prague, Czech Republic we have initiated the European operations with our partner Polyhose India Pvt. Ltd whom we are representing in CEE. Zudraulics is promoted by Indian and U.A.E based partners with business background in hydraulic Industry of more than 30 years.

We have a warehousing facility maintaining a regular stock of fast running items for immediate availability and as per client needs we can keep stocks of required items to provide quick delivery and efficient supply chain.

You can be our partner in business

- Stockist
- Distributors & Wholesalers
- Retailers & Service Centres
- End Users & OEMs

## VALUE PROPOSITION

We are committed to provide optimum quality at a competitive price with office and central warehouse in heart of Europe in Prague, Czech Republic.

Why Zudraulics?

- Market is either dominated by brands charging high premium prices. Affordability becomes issue
- Or is saturated with cheap lower quality hoses indirectly effecting quality and production.
- Market leaders control the supply and pricing by having their own retail outlets and thus putting various mid size and small enterprises out of business.

Benefits of partnering with Zudraulics

- Get high quality products with certified approvals and tested, for a competitive price without compromising on quality.
- Be the first to capture the market with a quality brand.
- You can officially become a 'Zudraulics Supplier'.
- You can officially become a 'Zudraulics Service Centre' for your region.

## Exclusive Representative, Stockist & Distributor.

Central & Eastern Europe, CIS



Polyhose India Pvt. Ltd., an ISO 9001-2000 company, is a well known name in the global arena as a world class manufacturer of,

### **Hydraulic Hoses, Thermoplastic Hoses, P.T.F.E Hoses, Industrial Hoses & Rubber hoses and tubings.**

It was incorporated in 1997 with technical know-how from U.K. It is perceived as the most modern plant of its kind in Asia, being located in a 10 acres land with a built up area of 150,000 sq.ft. at Kelambakkam near Chennai. It has a world class manufacturing facility with computerized dimensional and quality control systems backed up with 100% captive power generation to ensure uninterrupted supplies to its ever demanding valued customers spread all over the globe.

POLYHOSE's existing thermoplastic hose capacity is in excess of 13 million meter per annum. Cost of production is quite economic to compete in global market.

Production Unit has a state of the art Rubber Hydraulic & Industrial Hose Plant, ISO 9001-2000 & ISO/TS 16949:2002 Certified in the SIPCOT Industrial park, on a 12 acres land with an installed capacity of 6 million meters per annum. The plant is one of its kind equipped with world's most modern and fastest braiders from Magnatech (USA) and extruders from Davis Standard (Germany). The testing facilities include 100,000 PSI burst pressure tester, Flex-impulse tester as well as static impulse tester in addition to all other regular raw material and finished goods testing equipments.

### **Current Production Capacity**

|                     |                            |
|---------------------|----------------------------|
| Thermoplastic hoses | 14 million metres / annum  |
| Industrial hose     | 4.0 million metres / annum |
| PVC Hoses           | 1.0 million metres / annum |
| P.T.F.E Tube        | 5.0 million metres / annum |

Infrastructure available for further expansion of capacity if required at a later stage.

## PRODUCTS

### Brief

- Hydraulic Hose
- High Pressure jack hose
- Super High Pressure hose
- Sewer Cleaning Hose
- Paint Spray (Wire Braided) Hose
- Paint Spray (Textile Braided) Hose
- Welding / LPG Natural Gas Hose
- Spray Hose
- Compressed Air / Multipurpose Hose
- Jack Hammer / Rock Drill Hose
- Fire Reel Hose
- P.T.F.E. Flexible Hose
- Low Pressure – AB Series hose

### Complete

| <b>Thermoplastic Hose</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Industrial Hose</b>                                                                                                                             | <b>P.T.F.E. Hose</b>                                                                                                                                                                      | <b>Rubber Hose</b>                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p style="text-align: center;">PH148 - R7<br/>PH149 - R8<br/>PH194 - R18</p> <p>PH301 - Sewer Jet 2500 PSI<br/>PH302 - Sewer Jet 3000 PSI<br/>PH303 - Sewer Jet 4000 PSI<br/>PH320 - Grease Hose<br/>PH326 - Beverage Dispensing<br/>PH334 - Refrigeration<br/>PH342 - Paint Spray 1 WB<br/>PH343 - Paint Spray 2 WB<br/>PH344 - Paint Spray Textile<br/>PH346 - Paint Spray<br/>PH347 - Paint Spray<br/>PH348 - Hydraulic 1 W/B<br/>PH349 - Hydraulic 2 W/B<br/>PH350 - Jack Hose<br/>PH352 - High Pressure NC<br/>PH353 - R8 2P<br/>PH354 - Micro Bore<br/>PH392 - Pilot Line Glide</p> | <p>PH360 - Pneumatic Tool<br/>PH361 - Super Spray<br/>PH362 - Welding<br/>PH363 - Super Rock Drill<br/>PH365 - Air Hose<br/>PH367 - P.V.C Hose</p> | <p style="text-align: center;">PH179 - R14<br/>PH381 - R14 2 W/B<br/>PH370 - Convoluted<br/>PH372 - Convoluted<br/>Tape Wrapped<br/>PH382 - Gas Hose<br/>PH341 - Paint Spray<br/>PTFE</p> | <p style="text-align: center;">PH253 - 1SN<br/>PH254 - 2SN<br/>PH144 - R3<br/>PH146 - R5<br/>PH147 - R6<br/>PH174 - 2 WB BCS<br/>PH178 - R13<br/>PH191 - R16<br/>PH193 - R17<br/>PH277 - 4SP<br/>PH278 - 4SH<br/>PH423 - Super flex Compact<br/>PH424 - LPG Hose<br/>PH440 - Steel Air Hose<br/>PH442 - Fuel Dispensing<br/>PH471 - Steam 1 WB<br/>PH472 - Steam 2 WB<br/>PH492 - Pilot Line</p> |

## Quality Control Measures

The Extrusion line is equipped with I.D, O.D, wall thickness measurement and control system from Zumbach of Switzerland. Online three gun surface activation unit for achieving higher bonding.

- Davis Standard - Germany Extrusion lines
- 90mm Extruders - 2 Nos
- 120mm Extruder -1 Nos


## Assembly Facilities

The factory has facilities for assembling and testing of Hydraulic Hoses.

## Testing

| For Raw Materials                                                                                                                                              | For Intermediates                                                                                                                                                                                                           | For Finished Products                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Melting Point Apparatus</li><li>• Muffle Furnace</li><li>• Solvent Extraction Unit</li><li>• Titration Units</li></ul> | <ul style="list-style-type: none"><li>• Rheometer</li><li>• Mooney Viscometer</li><li>• Universal Tensile Tester</li><li>• Hardness Tester</li><li>• Compression Set Tester</li><li>• Density Meter, Ageing Ovens</li></ul> | <ul style="list-style-type: none"><li>• Hose Burst Rig</li><li>• Impulse Tester</li><li>• Cold Flexibility Testing Unit</li><li>• Electrical Conductivity tester</li><li>• Grip Strength Tester</li><li>• Flame Resistant Testing Unit</li><li>• Ozone resistant Chamber</li></ul> |

# CERTIFICATIONS



**DET NORSKE VERITAS AS**  
**STATEMENT OF COMPLIANCE**  
*Application of the Council Directive 97/23/EC of 29 May 1997 on Pressure Equipment, as amended.*

STATEMENT NO. DNV-2007-IND-FED-111003

The quality system for manufacturing of the pressure equipment components  
**RUBBER HOSES**

Manufactured by  
**POLYHOSE INDIA (RUBBER) PVT. LTD.**  
 Plot No: F37- F42 & F50- F55 Sipcot Industrial Park, Irungattukottai,  
 Sriperambudur Taluk - 602105, Tamil Nadu, India.

is found to comply with the requirements applicable to it

The manufacturer's quality system has been assessed with respect to Annex I Chapter 3 in the Pressure Equipment Directive and the use in relation to Module H

*applicability / Limitations:*  
 Modifications made to the quality system shall immediately be reported to Det Norske Veritas AS in order to examine whether this Statement remains valid. Audits will be made to verify the validity of the Statement of Compliance

Further details of the product and conditions / limitations for the Statement of Compliance are given in enclosure 1.

*Place and date:*  
 Chennai, 2007-12-04  
 for DET NORSKE VERITAS AS

*This Statement is valid until:*  
 2010-12-04


*Kannan Parthasarathy*  
 Product Responsible

*Abdul Kader*  
 Project Responsible

Notes: The certificate is subject to terms and conditions of any contract. The product holder, made with the manufacturer or his representative or association with the Council Directive, is intended.  
 The scope of the certificate is limited to the product and the manufacturer's responsibility for the product. The manufacturer's responsibility for the product is not transferred to the certification body. The certification body is not responsible for the product. The certification body is not responsible for the product. The certification body is not responsible for the product.

DET NORSKE VERITAS AS - 4029 071 Skjoldnes Road, Oslo, Norway - 02021, India Tel: 91 - 44 63860543 - 44 44 638605

ZERTIFIKAT • CERTIFICATE • 認證證書 • CERTIFICADO • CERTIFICAT



**CERTIFICATE**

The Certification Body  
of TÜV South Asia Private Limited

certifies that:

**POLYHOSE INDIA PVT. LTD.**  
 NO. 1/115, KELAMBAKKAM - VANDALUR ROAD,  
 PUDUPAKKAM (P. O), THIRUPPORUR BLOCK,  
 KANCHIPURAM DISTRICT - 503 103,  
 TAMIL NADU, INDIA

has established  
and applies a Quality Management System for

**Manufacture and Supply of  
Spiral and Cross Braided High Pressure Thermoplastic Hose,  
PTFE Hose, Industrial Hose and PVC Braided Hose.**


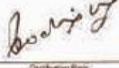


Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2000 requirements may be obtained by consulting the certification body.

An audit was performed, Report No. 20053088

Proof has been furnished that the requirements according to  
**ISO 9001 : 2000**

are fulfilled. The certificate is valid until **2010-05-16**

Certificate Registration No. 99 100 02693  
Mumbai, 2007-05-16

TÜV South Asia Pvt. Ltd. • TÜV SÜD Group • 321 Salween Corporate Park • Andheri (East) • Mumbai - 400 093 • India



**CERTIFICATE**

The Certification Body  
of TÜV South Asia Private Limited

certifies that

**POLYHOSE INDIA (RUBBER) PVT. LTD.**  
 PLOT NO. F 37- F42, SIPCOT INDUSTRIAL PARK,  
 IRRUNGATTUKOTTAI,  
 SRIPERUMBUDUR TALUK - 602105, TAMIL NADU, INDIA

has established  
and applies a Quality Management System for

**Manufacture of Rubber Hoses**

Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2000 requirements may be obtained by consulting the certification body.

An audit was performed, Report No. 20061680

Proof has been furnished that the requirements according to  
**ISO 9001 : 2000**

are fulfilled. The certificate is valid until **2009-11-20**

Certificate Registration No. 99 100 01895  
Mumbai, 2006-11-22

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ZERTIFIKAT • CERTIFICATE • 認證證書 • CERTIFICADO • CERTIFICAT



**CERTIFICATE**

The Certification Body  
of TÜV SÜD Management Service GmbH

certifies that:

**POLYHOSE INDIA PVT. LTD.**  
 NO. 1 / 115, KELAMBAKKAM - VANDALUR ROAD,  
 PUDUPAKKAM (P. O), THIRUPPORUR BLOCK,  
 KANCHIPURAM DISTRICT - 603 103, TAMIL NADU, INDIA

has established and applies  
a Quality Management System for

**Manufacture of Thermoplastic Tubes,  
Thermoplastic Hoses and  
PTFE Hoses for Automotive Applications**  
(without Product Design as per Chapter 7.2)

An audit was performed, Report No. 20724341

Proof has been furnished that the requirements  
according to

**ISO/TS 16949: 2002**  
 Second Edition 2002-03-31

are fulfilled. The certificate is valid from 2007-12-04 until 2010-12-03

Certificate Registration No. 12 111 32024 TMS  
IAF Certificate No. 0699466

Mumbai, 2007-12-04  
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TÜV SÜD Management Service GmbH • Zertifikatsstelle • Rattenstraße 10 • 8000 München • Germany

**Exclusive Representative**  
Europe & CIS

**HYD-AIR ENGINEERING** is a pioneer manufacturer **of hydraulic tube fittings, pipe clamps and valves** since 1969. Today, a team of over one hundred employees are dedicated to providing superior fluid connecting solutions to a broad spectrum of industries.

HYD-AIR is a leading manufacturer of fluid connector solutions. The company's core product range includes DIN 2353 compression fittings, JIC 37° flare fittings, O-Ring face seal fittings, tube fittings and adapters, 60° cone hydraulic fittings, air-brake fittings, quick connect couplings, live swivel joints, test points, and centralised lubrication systems. Products are available in a variety of materials including steel, brass, stainless steel and thermoplastic.

| <u>Brief Product Range</u>              | <u>Application</u>         |
|-----------------------------------------|----------------------------|
| DIN 2353 Compression                    | Aerospace                  |
| Fittings O-Ring Face Seal Fittings      | Automotive                 |
| <i>Flare-Lok</i> JIC 37° Flare Fittings | Agriculture                |
| Staple Lock Mining Fittings             | Chemical & Process         |
| Hose Fittings                           | Defence                    |
| Quick Connect Couplings                 | Earthmoving & Machine Tool |
| Brass Olive Compression Fittings        | Steel                      |
| Test Points                             | Railway                    |
| Centralised Lubrication Systems         | Off-shore & Ship-Building  |

**Exclusive Representative**  
Europe & CIS

**BHAGWATI FILTER Pvt. Ltd.** started manufacturing Hydraulic and Lubricating Oil Filters in India in 1991 with technical and financial collaboration of K&H Eppensteiner GmbH & Co.KG whose filters are famous under the name "EPE" all over the world. Now the company is 100% owned by the Bhagwati family.

**Bhagwati manufactures Low, Medium & High Pressure Filters and Elements** and have served leading corporate units in the OEM and replacement market for more than 10 years. BHAGWATI have successfully developed a variety of replacement Elements to substitute various popular brands. We can also provide **replacement filter elements interchangeable to EPE** and also to competitors like Hydac, Mahle Pall, Parker and Internormen.

BHAGWATI is an ISO-9001:2000 company accredited by BVQI for the Quality Management System.

| <b><u>Brief Product Range</u></b> | <b><u>Application</u></b>      |
|-----------------------------------|--------------------------------|
| Low & Medium Pressure Filters     | Hydraulic System Manufacturing |
| High Pressure Filters             | Steel Plant                    |
| Duplex Filters                    | Cement Industry                |
| Return Line Filters               | Machine Tool (Hydraulic Press) |
| Fabricated Filters                | Earth Moving Machinery         |
| Filter Media                      | Defence (Aircraft)             |
| SS Welded Elements                | Power Plant                    |
| Interchangeable Elements, ETC.    | ETC.                           |

## Exclusive Representative

Czech & Slovak Republic

**PANAM ENGINEERS Ltd.** has been in the field of manufacturing precision **Tube Fittings and Instrumentation Valves** since the last two decades.

With the latest in-house machinery and infrastructure under one roof, PANAM ENGINEERS is manufacturing a wide range of tube fittings and Instrumentation products in different sizes and metals like brass, stainless steel, monel and other materials according to customer's request.

PANAM ENGINEERS is now not only manufacturing but also exporting their products to meet power demands the world over and they can proudly say that their products are now being used in the oil and gas refineries, power generation, chemical and fertilizer fields, etc. PANAM ENGINEERS stand for precision & durability.

| <u>Brief Product Range</u> | <u>Application</u>           |
|----------------------------|------------------------------|
| Valve Manifold             | Oil and Gas                  |
| Needle Valve               | Nuclear & Other Power Plants |
| Ball Valve                 | Chemical/Petrochemical       |
| Check Valve                | Process Instrumentation      |
| Compression Tube Fittings  | Analytical Instrument        |
| Precision Pipe Fittings    | Shipbuilding                 |
| Thermowell & Accessories   | Biopharmaceutical            |
| Pressure Gauge             | Orbital Welding System       |