Our products are the evidence of our quality.

OGAN®

Heating hose technology

Flexible, Electrically Heated Hoses

Short lead time

Tailor-made production

Competitive pricing

100% Compatible

CE

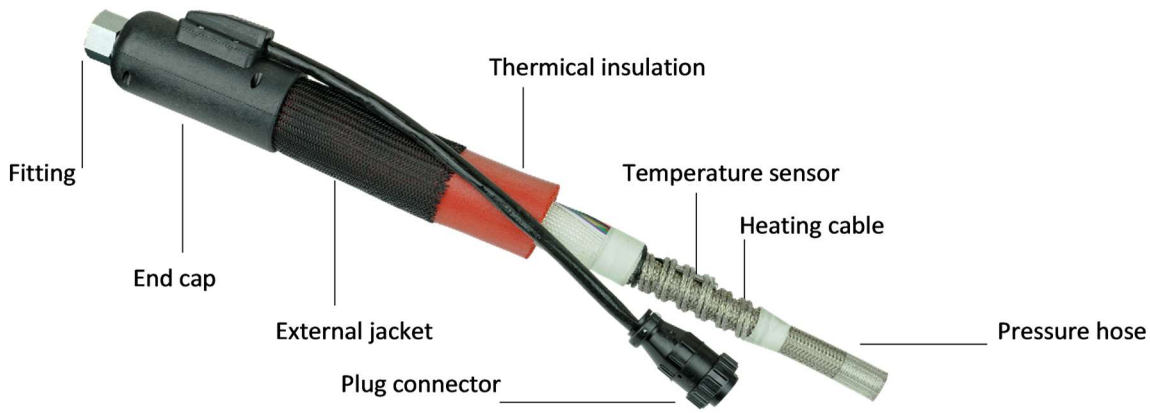
HEATING HOSE TECHNOLOGY

***Industrial Heated hoses** are designed for applications where the media passing through the hose must be heated, melted but first of all, maintained at constant, elevated temperature. Application for such media as: oil, grease, wax, resins, hot melt adhesives, plastic, paints, granulates, food products.*

Advantages of using Heating Hoses are;

- *Flexible structure solves the problems related to alignment and machine vibration,*
- *Provides short heating times and homogeneous heat dissipation,*
- *Safe, economical and long lasting products.*

*With decades of experience in heated hoses, **OGAN Industrial Heating Hoses** are developed and produced to transport of materials within specified temperature ranges, under high pressure and temperatures. **OGAN Industrial Heating Hoses** are being used in a wide range of applications from manual hand gun to industrial robotic, for indoors and outdoors and they are fully compliant with the systems of leading manufacturers worldwide.*



*The **pressure hose** is chosen depending on the working pressure, temperature and medium output required. We mainly use PTFE hose in stainless steel braid. The material of this hose features outstanding chemical and temperature resistance (up to 250°C), and very low coefficient of friction. PTFE hoses with strong mesh technology are being used to safely transfer the heated products up to 500 bar.*

*The hose **fittings** at both hose ends are selected according to customer's specification. OGAN hoses can be supplied with all types of fittings available on the market.*

***Heating element** is helically wound around the pressure hose to provide accurate and uniform heat density at each point of the hose. The power of the heating element depends on the temperature that must be maintained, the diameter and length of the hose.*

*OGAN heating hoses have an **integrated sensor**. According to the process and preferences; PT100, Ni120, NTC, J, K, PT1000 type heat sensors are used.*

***Thermal insulation** material is applied to reduce the heat loss to minimum and to ensure that the system reaches the specified temperature. Type of thermal insulation depends on working temperature. OGAN heating hoses uses silicone foam up to 250°C.*

*OGAN Heating Hose is equipped with a connecting cable with a preferred length, and with or without a **plug**. The hoses can be used with a temperature controller of the customer or supplied with various types of temperature controllers.*

*Polyamide braid is usually applied as **external jacket** of OGAN Heating Hoses, but steel braid, polyurethane braid or silicone braid are also available. External jacket, meets the static and dynamic bending requirements and ensures that the thermal insulation material and the heating elements remain undamaged.*

*There are two types of hose **end caps**: hard and soft. The hard caps made of polyamide reduce free, flexible hose length between the fittings, but also reduce the load on the spot of critical fitting-hose connection. Silicone soft caps, due to their flexibility, are recommended for short hoses.*

STANDARD HEATING HOSES

OGAN Heating Hoses developed and produced for leading manufacturers glue systems are produced from hi-tech components. OGAN Heating Hoses are highly flexible for manual hand gun and robotic applications and extra strengthened to prevent external and internal structural deformation which may occur from dynamic movements.

- *100% compliant with leading manufacturers systems,*
- *Available in Standard, High-Pressure and Water-Protected versions,*
- *Can be developed and produced based on customer specific requests.*

GN SERIES HANDGUNS

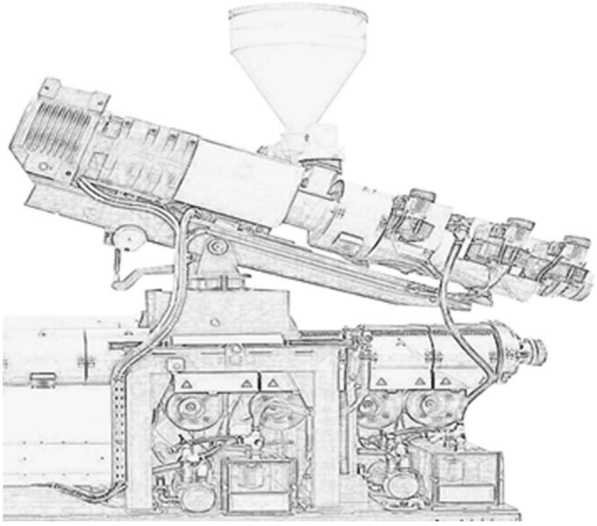
OGAN GN Series Handguns are developed for increasing flexibility of adhesive applications and ease the usage. OGAN GN Series handguns provide constant operational temperature up to 210°C, which guarantees continuous adhesive flow. These hand held compact guns are designed to endure the roughest working conditions, their durable external and internal components provide long service life.

- *100% compliant with leading manufacturers systems,*
- *Lightweight and ergonomic.*
- *Ratary fittings enable handgun to rotate 360° without twisting the hose, which allows wide range of movement and high flexibility.*
- *Trigger lock mechanism ensures that the handgun is safely secured when not in use.*
- *Standard nozzles for bead and spray applications, specific nozzles can be developed.*
- *Set up for bottom-feed or top-feed hose connection.*

HT700 CO-EXTRUSION HEATING HOSES

OGAN HT700 Co-extrusion heating hoses are produced to transfer melted plastic and thermoplastic materials from co-extruder to mold at defined temperatures.
HT700 Co-extrusion heating hoses are produced from high temperature and pressure resistant T3 PTFE hoses;

- *Provides flexible connection between the co-extruder and mold,*
- *Simplifies mold changes and maintenance,*
- *Minimizes the thermal expansion and vibration occured from heating,*

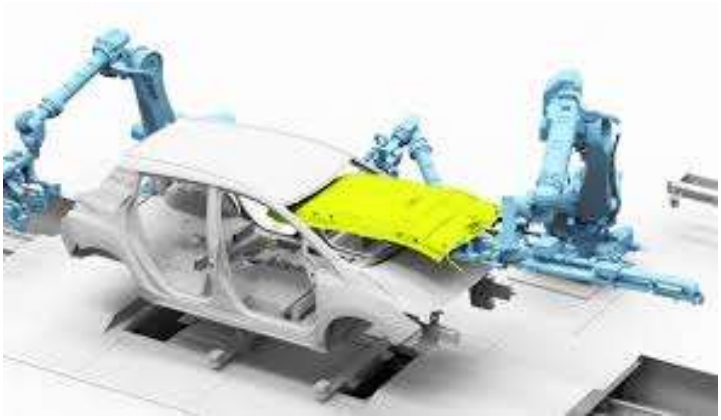


Operating temperature	250 °C
Voltage	230 V AC/DC 50/60 Hz
Pressure hose	T3 PTFE
Fittings	Carbon – Stainless steel
Thermal insulation	Silicon foam
End cap	Hard cap / Silicon cap
External jacket	Polyamide braid black
Power cable	Standard 2 x 1.5 m
Temperature sensor	Fe-CuNi (J) , PT100 , NiCr-Ni (K)
Temperature limits	+5 / -10
Protection type	IP54
Approvals	CE

T3 Type pressure hose working temperature limit -70 +250 °C

T3 Pressure Hose DN (mm)	8	10	12	16	20
Working Pressure (Bar)	475	475	450	400	300
Bursting Pressure (Bar)	1900	1900	1800	1600	1200
Bending Radius (mm)	85	110	150	175	200
ID of Fitting	6,0	7,0	10,0	12,5	16,0
Fitting BDN-M	16x1,5	18x1,5	22x1,5	26x1,5	30x2,0
Fitting BDN	G 3/8"	G 1/2"	G 1/2"	G 3/4"	G 1"
Working Pressure @ 20 °C (Bar)	475	475	450	400	300
Working Pressure @ 100 °C (Bar)	451	451	428	380	285
Working Pressure @ 150 °C (Bar)	428	428	405	360	270
Working Pressure @ 200 °C (Bar)	394	394	374	332	249
Working Pressure @ 250 °C (Bar)	285	285	270	240	180

RB400 HEATING HOSES - AUTOMATION



OGAN RB400 Heating Hoses are developed and produced to transfer adhesive material from mastic pump to robot tip under high pressure and specified temperatures. Used at industrial robotic applications, mainly in automotive sector.

OGAN RB400 Heating Hoses are highly flexible and extra strengthened to prevent external and internal structural deformation which may occur from dynamic movements. They are 100% compliant with the systems produced by leading manufacturers.

SPECIAL HEATING HOSES

Heating Hoses designed for Food and Pharmaceutical Industry.

- *Internal teflon core meets Food Safety requirements.*
- *Stainless steel fittings*
- *Washable slicon outer cover and slicon end caps.*
- *Can be developed and produced based on customer specific requests.*

Meter Mix Dispense 2K heating hoses for flexible packaging / converting industry.

- *100% compliant with leading manufacturers systems,*
- *Can be developed and produced based on customer specific requests.*