

FILLABLE + PRINT READY

Custom Product Inquiry Checklist

A structured RFQ form for technical review, quotation and sampling



CARBON BRUSH

Dimensions, electrical duty, leads and terminals



CARBON VANE

Pump fit, edge geometry and dry-running conditions



CARBON SEAL

Ring geometry, mating face, medium and pressure

ONE COMPLETE INQUIRY HELPS US REVIEW

✓ Feasibility

✓ Material direction

✓ Critical dimensions

✓ Sampling route

01 / GENERAL INFORMATION

Tell us what you need

Complete the fields you know. Attach a drawing, labeled photos or a sample when dimensions or grade are uncertain.

A

Buyer and project details

CONTACT NAME

COMPANY

EMAIL

PHONE / WHATSAPP

COUNTRY / REGION

COMPANY WEBSITE

optional

B

Inquiry scope

Select all that apply

☐ New OEM project

☐ Replacement part

☐ Custom manufacturing

☐ Prototype / trial

☐ Repeat order

☐ Material recommendation

☐ Carbon brush

☐ Carbon vane

☐ Carbon seal

C

Available reference information

Check what will accompany this form

☐ Dimensioned drawing

☐ Physical sample

☐ Product photos

☐ Equipment nameplate

☐ OEM / part number

☐ Grade / marking

☐ 3D model

☐ Inspection / failure report

☐ None yet

TARGET QUANTITY pieces / sets

SAMPLE QUANTITY

DELIVERY DESTINATION

PROJECT SUMMARY / APPLICATION

Good inquiry practice

Use one sample ID across this checklist, drawings, photo filenames and sample labels. If information is unknown, write 'unknown' instead of estimating.

02 / CARBON BRUSH

Carbon Brush Inquiry Checklist

For motors, generators, slip rings, power tools, vacuum motors and equipment-specific replacement brushes.

A Equipment reference

EQUIPMENT / MOTOR MAKE

MODEL / NAMEPLATE DATA



BRUSH BODY + LEAD + TERMINAL

B Electrical and operating data

- ☐ AC
 ☐ DC
 ☐ Unknown
- ☐ Commutator
 ☐ Slip ring
 ☐ Other

VOLTAGE V CURRENT / DENSITY A or A/cm² SPEED rpm or m/s MOTOR POWER kW

DUTY CYCLE TEMPERATURE deg C HUMIDITY / ENVIRONMENT TARGET SERVICE LIFE

C Brush body and assembly dimensions

Enter values from an unworn part or approved drawing

BODY LENGTH (L) mm BODY WIDTH (W) mm BODY THICKNESS (T) mm CONTACT RADIUS mm GRADE / MARKING

LEAD / SHUNT COUNT LEAD LENGTH mm TERMINAL TYPE / SIZE SPRING / CAP / HOLDER

- ☐ Bevel / chamfer
 ☐ Slot / groove
 ☐ Radius contact face
- ☐ Paired / matched set
 ☐ Custom marking
 ☐ Other feature

D Observed issue and additional notes

- ☐ Sparking
 ☐ Rapid wear
 ☐ Overheating
- ☐ Noise
 ☐ Chipping / breakage
 ☐ No issue / unknown

NOTES - commutator condition, spring pressure, cooling, dust, special packaging

03 / CARBON VANE

Carbon Vane Inquiry Checklist

For rotary vane vacuum pumps, compressors and dry-running systems where fit, edges and operating atmosphere matter.

A Pump reference

PUMP MANUFACTURER

MODEL / SERIAL / OEM PART NO.



B Pump type and vane geometry

- | | | |
|--------------------------------------|---|--|
| ☐ Dry-running | ☐ Oil-lubricated | ☐ Wet / special service |
| ☐ Vacuum pump | ☐ Compressor | ☐ Unknown |

VANE LENGTH (L)	mm	VANE HEIGHT (H)	mm	VANE THICKNESS (T)	mm	VANES PER SET	GRADE / MARKING

- | | | |
|--------------------------------------|--|--------------------------------------|
| ☐ Square edge | ☐ Chamfer | ☐ Radius |
| ☐ Bevel | ☐ Groove / slot | ☐ Hole / step |

C Operating conditions

Material selection depends on the complete pump system

ROTATIONAL SPEED	rpm	PERIPHERAL SPEED	m/s if known	VACUUM / PRESSURE	TEMPERATURE	deg C	HUMIDITY	% RH
GAS / MEDIUM / CONTAMINANTS				DUTY CYCLE	TARGET SERVICE LIFE			

D Observed issue and sample condition

- | | | |
|---|--|--|
| ☐ Rapid wear | ☐ Sticking | ☐ Chipping / breakage |
| ☐ Vacuum loss | ☐ Overheating | ☐ Excess carbon dust |
| ☐ Sample is new / unworn | ☐ Sample is used / worn | ☐ Sample is broken / incomplete |

NOTES - slot clearance, rotor / chamber material, wear pattern, noise, debris

Important for replacement vanes

A worn sample may not preserve the original height, edge profile or clearance. Add pump model data and installed-condition photos whenever possible.

04 / CARBON SEAL

Carbon Seal Inquiry Checklist

For mechanical seal faces, carbon rings, segmented rings, bearings and custom sliding components.

A Equipment reference

EQUIPMENT / PUMP MAKE

MODEL / ASSEMBLY / PART NO.



WORKING FACE + MATING SYSTEM

B Seal type and geometry

☐ Mechanical seal face

☐ Carbon seal ring

☐ Segmented ring

☐ Bearing / bushing

☐ Floating seal

☐ Custom component

OUTER DIAMETER (OD) mm

INNER DIAMETER (ID) mm

AXIAL THICKNESS (T) mm

WORKING FACE WIDTH mm

SEGMENT COUNT

GROOVES / KEYWAYS / HOLES

FLATNESS REQUIREMENT if specified

SURFACE FINISH if specified

C Material and mating system

☐ Carbon graphite

☐ Resin-impregnated

☐ Metal-impregnated

☐ Electrographite

☐ Unknown

☐ Recommendation needed

EXISTING GRADE / MARKING

MATING / COUNTERFACE MATERIAL

FIT / ASSEMBLY METHOD

D Operating conditions

SEALED FLUID / GAS

CONCENTRATION / CONTAMINANTS

OPERATING / MAX PRESSURE

NORMAL / MAX TEMPERATURE deg C

SHAFT / SLIDING SPEED rpm or m/s

LEAKAGE REQUIREMENT

☐ Dry-running

☐ Wet / lubricated

☐ Clockwise

☐ Counterclockwise

☐ Bidirectional

☐ Unknown

E Observed issue

☐ Leakage

☐ Rapid wear

☐ Crack / chip

☐ Thermal damage

☐ Corrosion / attack

☐ Deposits / contamination

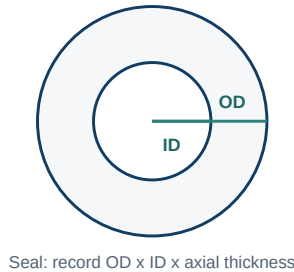
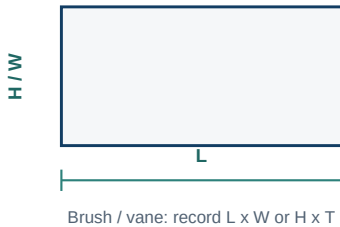
NOTES - installation, cooling, mating face, failure pattern, special tolerances

05 / EVIDENCE PACKAGE

Help us verify the part

Clear reference information reduces avoidable assumptions during feasibility review, material selection and quotation.

QUICK DIMENSION REFERENCE



A Measurement checklist

Use calibrated tools where appropriate and state the unit

- | | |
|---|---|
| ☐ Overall dimensions recorded | ☐ Thickness checked at multiple points |
| ☐ Chamfers / radii / bevels recorded | ☐ Slots / grooves / holes located |
| ☐ Critical tolerances identified | ☐ Unit stated on every drawing |

MEASURING TOOL caliper / micrometer / other

UNIT mm / inch

MOST CRITICAL DIMENSION / FIT

B Photo checklist

Use even lighting, a scale reference and readable filenames

- | | |
|--|--|
| ☐ Overall part - front and back | ☐ All faces and edges |
| ☐ Working / contact face | ☐ Grade, logo or marking |
| ☐ Equipment nameplate | ☐ Installed position / assembly |
| ☐ Wear, crack or failure area | ☐ Ruler / caliper visible for scale |

C Sample submission

- | | |
|--|--|
| ☐ Sample ID labeled | ☐ Orientation / working face marked |
| ☐ New, worn or broken condition stated | ☐ Corners and working faces protected |
| ☐ Contamination / hazardous media disclosed | ☐ Tracking number provided |

SAMPLE / FILE LIST AND NOTES

Preserve the evidence

Do not grind, polish or intentionally reshape a reference sample before review. Clean only loose debris unless contamination handling requires a documented method.

06 / RFQ REQUIREMENTS

Define the quotation scope

Tell us what must be included in the offer so technical review, pricing and order preparation use the same requirements.

A Quantity and schedule

SAMPLE / TRIAL QTY	INITIAL ORDER QTY	ESTIMATED ANNUAL QTY	TARGET DATE

DESTINATION CITY / COUNTRY	INCOTERM	if known	PREFERRED SHIPPING METHOD

B Inspection and documentation

Check only requirements that apply to this inquiry

- | | |
|--|---|
| ☐ Dimensional inspection report | ☐ Material / grade documentation |
| ☐ Pre-production sample approval | ☐ First article inspection |
| ☐ Visual acceptance standard | ☐ Lot / batch traceability |
| ☐ Certificate of analysis if applicable | ☐ Other requested document |

CRITICAL DIMENSIONS / CHARACTERISTICS	REQUIRED TEST / INSPECTION METHOD

ACCEPTANCE CRITERIA / APPROVED REFERENCE

C Packaging, labeling and export documents

- | | | |
|---|---|--|
| ☐ Individual protection | ☐ Pack as matched sets | ☐ Moisture protection |
| ☐ Extra face / corner protection | ☐ Custom label / barcode | ☐ Customer part marking |

LABEL / MARKING TEXT	PACKING / CARTON REQUIREMENT

☐ Commercial invoice	☐ Packing list
☐ Certificate of origin	☐ Customer-specified compliance document

OTHER COMMERCIAL OR DELIVERY REQUIREMENTS

Quotation basis

Final price, tooling, minimum quantity, sample route and schedule depend on the confirmed drawing, material direction, quantity and inspection scope.

07 / FINAL REVIEW

Ready to send your inquiry?

A complete evidence package allows CARBOLVE to review feasibility, material direction, dimensions and quotation requirements efficiently.

A Final completeness check

- | | |
|--|--|
| ☐ Buyer contact details complete | ☐ Product type identified |
| ☐ Equipment make / model included | ☐ Dimensions and units included |
| ☐ Known grade / marking included | ☐ Operating conditions included |
| ☐ Quantity and destination included | ☐ Drawing or sketch attached |
| ☐ Labeled photos attached | ☐ Sample status explained |

YOUR INQUIRY / PROJECT REFERENCE

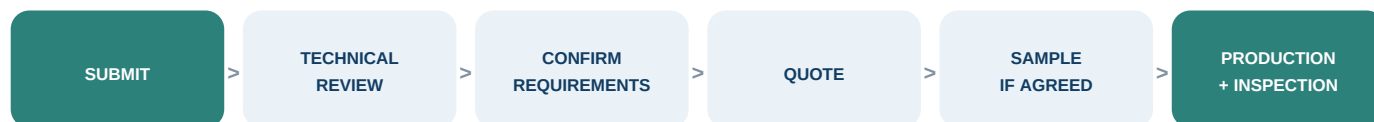
PREPARED BY

DATE

YYYY-MM-DD

FINAL MESSAGE / PRIORITY FOR TECHNICAL REVIEW

B What happens next



CARBOLVE reviews the supplied information and may request clarification before confirming material, dimensions, tolerances, sampling or production. A grade name alone does not define performance in every application.

Send the completed checklist

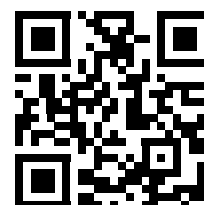
Attach your drawing, photos and sample details to the same inquiry.

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Open the CARBOLVE contact page

Reference basis: CARBOLVE company profile and Carbon Brush, Carbon Vane and Carbon Seal material selection guides.

This checklist supports inquiry review and does not replace an approved OEM drawing, equipment manual or application-specific validation.