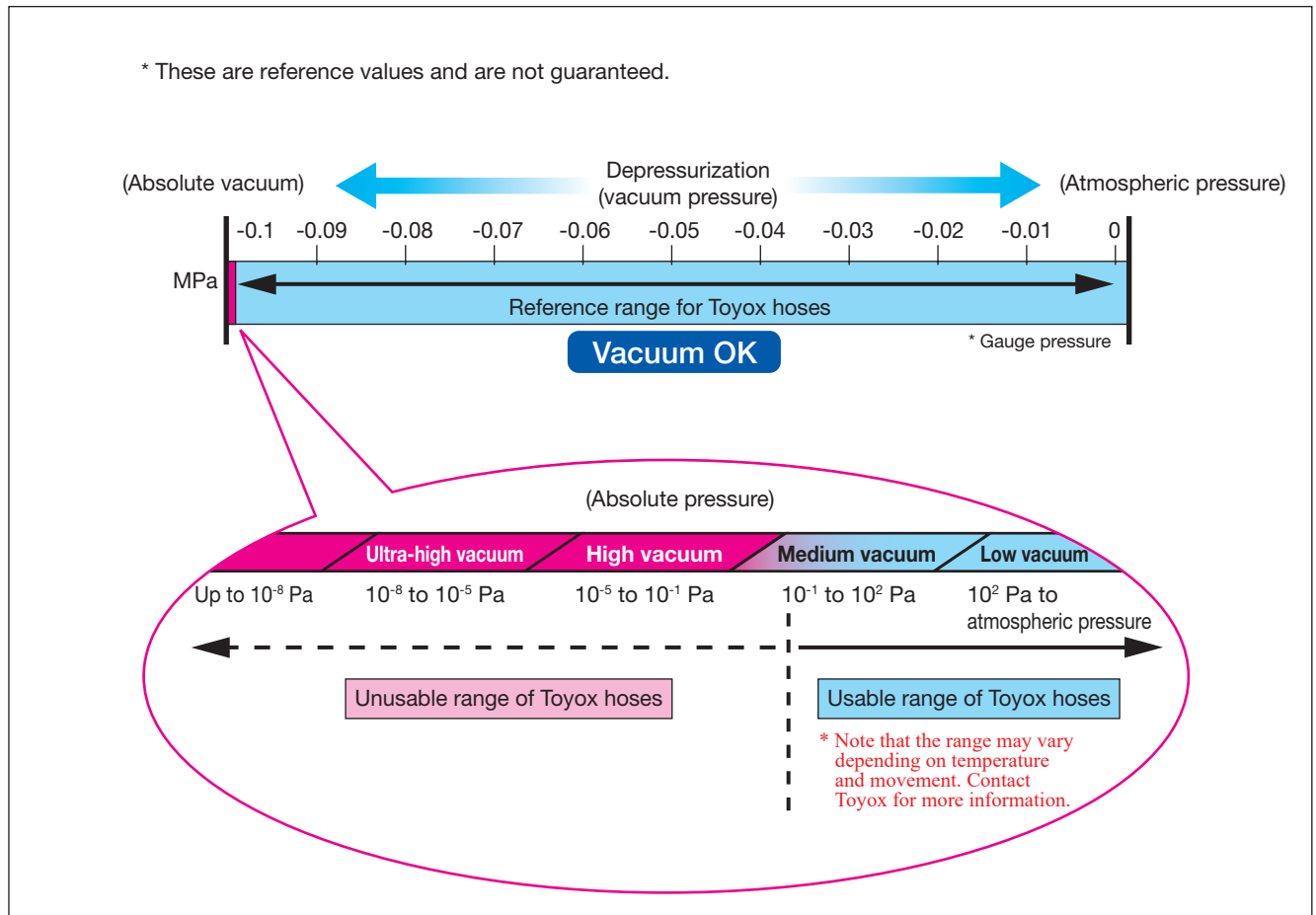
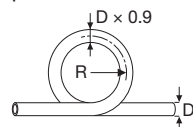


Figure 1: Vacuum Pressure Reference Range for Toyox Vacuum Hoses



Definition of Terms

1. Impact pressure: When using a solenoid valve or similar device to perform an operation such as rapidly pressurizing sealed water or air, the impact pressure that exceeds the pressure applied in the operation may be applied to the inner surface of the hose, causing the hose to rupture or a coupling to disconnect.
2. Plasticizer: A substance added to PVC and other plastics to soften them. Plasticizers are mainly compounds synthesized from acids and alcohols.
3. Minimum bending radius: The radius (R) at which the hose outer diameter (D) flattens by 10% when the following test is performed at room temperature (23°C). (These are reference values based on our company standards.)



4. Permanent warping: Warping that remains after an object has been deformed and does not completely return to its original shape even after the load is removed and the object is left undisturbed.
5. Peeling: Separation of the inner lining from the outer layer of a double-structure hose due to weakening of the adhesion between the inner lining and outer layer. Peeling may occur due to extremely repetitive bending or use at temperatures that exceed the limit.
6. Swelling: An increase in the volume of a solid due to absorption of a liquid without any changes to its structural organization.